HEMIST AND DRUGGIST MARCH 3, 1945

The
HEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER

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Index to Advertisers pp. 5 & 6

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INDEX TO ADVERTISERS

The fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper should not be taken as an indication that they are necessarily available for export.

Allen & Hanburys, Ltd. ..... Front Cover
Ashe Laboratories, Ltd. 16
Aspro, Ltd. 10
Ayrton Saunders & Co., Ltd. iii

Beechams Pills, Ltd. 12
Bell, John, Hills & Lucas, Ltd. ..... Leader Page
Bio-Colloids, Ltd. x
Bob Martin, Ltd. 4
Boots Pure Drug Co., Ltd. 9
Brand & Co., Ltd. ix
British Cod Liver Oil Producers (Hull), Ltd. 10
Brontalene (Brontan, Ltd.) 13
Burgoyne Burbidges & Co., Ltd. i
Burrough, James, Ltd. ..... Leader Page
Burroughs Wellcome & Co. 25
Bush, W. J., & Co., Ltd. 17

Carus, A., & Sons, Ltd. vii
Chappell Allen & Co., Ltd. 24
Ciba, Ltd. 26
Clinical Products, Ltd. 11
Coates & Cooper, Ltd. vi
Cooper Laboratory, Ltd. 14
Cox, Arthur H., & Co., Ltd. ..... Cover iv
Cussons, Sons & Co., Ltd. ..... Cover iii

Daniel, Richard, & Son, Ltd. 9
Denver Chemical Co. 21
Duncan, Flockhart & Co. iv

Economic Utilities, Ltd. ..... Leader Page
Evans Sons Lescher & Webb, Ltd. 3

(*continued overleaf*)

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INDEX—(contd.)

Freudentheil, Smith & Co. viii
Frischmann, H. iii
Furmoto Chemical Co. (Factors), Ltd. iii

Gardner, W., & Sons (Glos.), Ltd. vi
Griffiths Hughes, E., Ltd. 13

Harley, T., Ltd. xi
Harrison, A., & Sons, Ltd. 5
Health Products Laboratories, Ltd. 13
Hough, Hoseason & Co., Ltd. Leader Page

International Chemical Co., Ltd. 8
International Laboratories, Ltd. 16, 22
Ioco Ltd. viii

Janssen's Herbal Tablets, Dr. vi
Jeffreys, Miller & Co., Ltd. viii
Johnson Agencies (Ptys), Ltd. x

London Pharmaceutical Laboratories, Ltd. 22

Macleans, Ltd. 23
Manners, G., & Co., Ltd. x
Martin, Bob, Ltd. 4
Menley & James, Ltd. 15
Midgley & Parkinson, Ltd. Leader Page
Monro, G., Ltd. xi
Monsanto Chemicals, Ltd. Leader Page
Musterole Fine Products, Ltd. 21

New Era Treatment Co., Ltd. 1
Newton Chambers & Co., Ltd. 24

Organon Laboratories, Ltd. 16

Pakcel, Ltd.
Parke, Davis & Co. Co
Perken, Son & Co., Ltd.
Pharmaceutical Council Election Col. 8
Potter & Clarke, Ltd.
Preemo & Silks, Ltd.
Price, A. S., & Co., Ltd.
Prince Regent Tar Co., Ltd.

Rankin Bros. & Sons Leader
Ransom, Wm., & Sons, Ltd.
Rendell, W. J., Ltd.
Roberts' Patent Filling Machine Co., Ltd.
Roche Products, Ltd.
Ronaldson, J., & Co., Ltd.

Scholl Manufacturing Co., Ltd., The
Scott, A. & R., Ltd.
Selka, Ltd.
Sessions, W., Ltd.
Smith, T. & H., Ltd.
Smith, T. J., & Nephew, Ltd. 2
Surgical Hosiery Co., Ltd.

Thornton & Ross, Ltd.

United Chemists Association, Ltd.

Watford Chemical Co., Ltd.
Wesley, Harold, Ltd.
Whiffen & Sons, Ltd.
Wilcox, Jozeau & Co., Ltd. Leader
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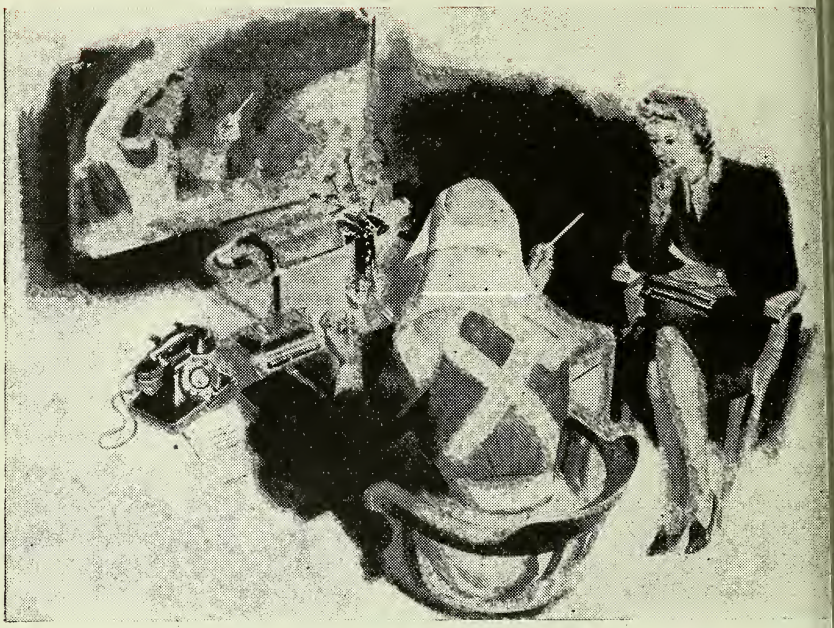

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Receipt. This Receipt
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CONTENTS

	Page
nxieties in Bath About the Future	217
lackpool Chemists' Dispensing Rules	217
hemistry, Properties and Uses of D.D.T.	220
oming Events	214
ompany News	214
orrespondence	234
eaths	216
ditorial Articles:—	
The Whereabouts of Industry	223
Scientists and the Peace Effort	224
A Local Dispensing Code	225
Advertisements About Dispensing	225
ire Wholesalers' Dinner	218
egal Reports	212
Marriages	216
Parliamentary News	211
Personalities	216
Pharmaceutical Reorganisation	226
Pharmaceutical Society of Ireland: Council Meeting	228
Pharmaceutical Society of Northern Ireland: Council Meeting	231
"Science in Peace" Conference	219
Surgical Instrument Manufacturers	219
Topical Reflections	213
Trade Marks	234
Trade Notes	215
Trade Report	232
Wills	216

NEWS OF THE WEEK

onation to N.P.U. Fund.—The proprie- s of THE CHEMIST AND DRUGGIST, rgan Brothers (Publishers), Ltd., have de a donation of £500 to the Business rchase and Guarantee Fund recently nched by the National Pharmaceutical ion (see *C. & D.*, February 3, p. 119).

War Risks Premiums Unchanged.—The ard of Trade announces that all policies fixed sums under the Commodity urance scheme which are in force on rch 2 will be extended until June 2 hout further payment of premium.

Air Mail Rates to Sweden.—The Post- ster-General announces that the air tage rates to Sweden have been reduced 5d. for the first oz. and 3d. for each litional oz. for letters, and to 2½d. for tcards. The surface mail service to eden is still suspended.

Home-grown Herbs.—An import pro- mme for small quantities of certain bs, which was arranged in 1944 by the nistry of Food, is now nearing completion, d it is understood that no further imports will be arranged until a full appraisal of the coming season's home production has been made.

Paper for Packing Exports.—The Board of Trade has issued a direction (S. R. & O. 1945, No. 201) which, as from February 26, frees from restriction the use of paper for certain purposes connected with packing for export. Advertising matter may now be inserted in such packages. The direction covers exports from this country to Eire, but not to Northern Ireland. It also includes goods exported from Northern Ireland to Eire.

Attack on Patent Medicines.—A sharp criticism of patent medicines was made by Dr. John R. Graham (medical officer to the Chesterfield rural authority) recently, at the conclusion of an address on "The Growth of Patent Medicines" to the local Rotary Club on February 16 by Rotarian A. Livesley. Dr. Graham said he was associated with a centre at which scabies was treated. The man in charge, investigating the number of proprietary medicines which

offered so-called cures, got to 112 and then gave up; none of them was any use whatever. Mr. Livesley said pharmacists would welcome control of such medicines.

Hove Rota Scheme.—A rotated system of opening for one hour on the evening of early-closing day has been put in operation in Hove. A rota of Sunday duties has been in operation for seven years.

Ceylon Rubber Problems.—At the invitation of the Ceylon Government, the Secretary of State for the Colonies arranged for his business adviser (Sir Clifford Figg) to visit Ceylon towards the end of February to discuss problems connected with the rubber and other industries.

Reinstatement Claims.—Since the Reinstatement in Civil Employment Act came into force in August 1944, sixty-two cases have been heard in which the applicants alleged denial of their rights under the Act. In twenty cases the committees concerned made no order, but in the remaining forty-two cases it was found that there had been default by the former employer. In thirty of these the employer was ordered to make work available; in four to pay compensation; and in eight to do both.

Economic Use of Fungi.—A lecture on this subject was given at a meeting of the Royal Society of Edinburgh, recently, by Dr. John Ramsbottom, F.L.S., Keeper of Botany at the British Museum (Natural History). The speaker stated that a considerable number of substances previously unknown has been discovered in the study of mould action, the most striking being penicillin. Most toadstools, he said, could serve as foods, though only the field mushroom had been cultivated on a commercial scale in Europe.

Freer International Trade Sought.—Addressing the Glasgow Chamber of Commerce recently, Mr. John S. Dodd, M.P. (president, Association of British Chambers of Commerce), expressed optimism about the future of British foreign trade, provided a maximum number of restrictive practices could be shaken off, and provided British industry could increase its efficiency. He was encouraged by a recent International Business Conference in the United States, at which he believed there was a genuine desire for international co-operation under strong leadership, and a growing demand for the easing of trade channels.

Guild of Public Pharmacists.—Members of London branches of the Pharmaceutical Society were invited to meet members of the Guild of Public Pharmacists on February 15 to hear Mr. D. Currie expoun policy if elected to the Council of Society. Mr. Currie said that today macists speak with too many voices was essential that all branches of pharr should meet together in an attemp understand the viewpoint of the o Discussion took place upon the educat policy of the Society, and the opinion expressed that more meetings bet retail and hospital pharmacists woul of value.

Darlaston Chemists' Rota.—At a me of the Darlaston urban council rece a letter was received from the local cher in reply to a suggestion that they sh establish a rota under which one nightly in the town would remain later than the others. The chem letter stated that, in the event of a r urgent prescription, any of the chemis the town could be contacted at their ho as their names, addresses and telep numbers were available at the p station; no complaint had ever received that the service was inadequ and the hours were approximately keeping with those in operation in the of the country.

Institute of Export.—At the tenth an meeting of the Institute of Export, hel February 22, Mr. Leslie Gamage re-elected *President* for the third year, Mr. A. G. B. Owen and Captain J. Williams, M.C., were elected *Vice-preside* Messrs. Lance Coates, E. R. Delius H. C. Hyde were appointed to the Cou for 1945, and Messrs. G. T. MacEwan T. Boyd were re-elected *Chairman* *Vice-chairman* respectively of the Cou A series of twenty-four lunch-time lectu twice weekly on Tuesdays and Thursd commenced on February 27 at the B Exchange, London. Admission is by ti only, for which application should be m to the Secretary, Institute of Export, R Empire Society Building, London, W.C

Control of Containers.—The Minister Supply has made the Control of Contai and Packaging (No. 2) (General: and Schedule No. 1048) Order, 1945 (S. R. & 1945, No. 192), which came into force February 26. The Order makes the foll ing relaxations: (1) The removal of rest tions on the marking of metal contai and closures for export with the exceptio crown corks; (2) the removal of restricti on the marking of collapsible tubes, sp and non-metal containers and holders w ther for the export or home trade; (3)

val of restrictions on the material used he manufacture of caps for glass and ware. Copies of the Order may be ob- l from H.M. Stationery Office, Kings- London, W.C.2, price one penny.

rdiff Lecture on Hormones.—A lecture Hormones and Related Substances," rated by lantern slides, was given by Frank Hartley (secretary, Therapeutic arch Corporation, Ltd.), before the iff Pharmacists' Association and ch of the Pharmaceutical Society on uary 8, the president (Mr. L. Livsey) e chair; about seventy members were nt. Dr. Hartley dealt with the istry, standardisation and uses of the ones of the pituitary, adrenal cortex, , and testes, with synthetic analogues e adrenocortical hormones, œstrogens androgens, and with thiouracil in con- ng the thyroxine-producing function of hyroid in hyperthyroidism and thyro- osis. A vote of thanks was proposed Mr. S. W. Hague and seconded by G. Holley.

rfumery Association Adjourned Meet- —A special meeting of the Cosmetic Toilet Preparations Trade Association reat Britain, Ltd., was held in London ebruary 22 to consider the following ution:—

'That this meeting approves and endorses e formation of a single organisation for the dustry, on the lines laid down in the report ued by the joint meeting of the Executive mmittees of the Perfumery and Toilet eparations Manufacturers' Section of the ndon Chamber of Commerce and of the smetic and Toilet Preparations Trade sociation of Great Britain, Ltd., and dated nuary 17, 1945, and agrees that appro- iate legal steps be taken for the winding up the Cosmetic and Toilet Preparations ade Association of Great Britain, Ltd."

r some discussion the proposal, "That meeting approves and endorses the ation of a single organisation for the stry" was carried unanimously. A equent motion, "That this meeting es that appropriate legal steps be taken the winding up of the Cosmetic and et Preparations Trade Association of at Britain, Ltd.," was defeated. A ot was demanded and Messrs. Demuth Osborne were appointed scrutineers; as announced that the ballot would be n on March 8, and the decision made wn on March 15. If the result was in our of winding up the Association, a her meeting would be called to pass solution to that effect.

Birmingham Analyst's Report.—The Birmingham city analyst reports 1,278 samples taken in the fourth quarter of 1944. Of these, 120 were drugs and six were found incorrect. A sample bought as "bismuth lozenges" and stamped "bismuth and magnesia tropels" was heavier than the official lozenges and contained only one-fifth the amount of bismuth carbonate, no calcium carbonate, and about 50 per cent. excess of magnesium carbonate; there were also present sodium bicarbonate, sugar, talc, excipients and binders. In contravention of the Pharmacy and Medicines Act, 1941, the lozenges were not labelled with the "appropriate quantitative particulars" of the active ingredients. Another sample bought as bismuth lozenges and stamped "bismuthated magnesia" was also quite different in composition from the official lozenges; again the label did not give the quantitative particulars. A sample of "orange syrup and halibut oil," contained only 5·3 per cent. of sugar, its viscosity being almost entirely due to tragacanth; the mere trace of vitamin C present showed that orange peel extract, not orange juice, was used as flavouring. Two samples of zinc ointment contained a large excess of zinc oxide; one sample of kaolin poultice contained 52 per cent. excess of boric acid. There were no prosecutions.

PARLIAMENTARY NEWS

Dunlop Rubber Factory at Speke.—The President of the Board of Trade (Mr. H. Dalton) announced on February 13 that the factory of Rootes', Ltd., Speke, Liverpool, had been leased to the Dunlop Rubber Co., Ltd.

Deaf Aid Batteries.—The President of the Board of Trade (Mr. H. Dalton) was asked on February 13 why the supply of H.A.8 high-tension deaf aid batteries had fallen; he said he had been able to arrange for a considerable increase in production in the ensuing month.

Decline in Retail Stocks.—Mr. Hammersley asked the President of the Board of Trade on February 20 whether he was taking note of the continuous decline in retail stocks of non-food goods; and what steps he was taking to rectify a situation which, if allowed to develop, would result in serious shop shortages. Mr. Dalton said he was doing everything possible, within the limits imposed by war requirements, to see that supplies of essential goods were maintained.

LEGAL REPORTS

Pharmacist Sentenced.—A sentence of six months' imprisonment was passed at Glasgow sheriff court recently on Thomas Angus McLean Boyd, M.P.S., for embezzling over £280. It was stated in court that Boyd was employed as head salesman in the drug department of the St. George Co-operative Society, Ltd., Mansfield Street, Glasgow, and was in charge of a similar department at 612 Dumbarton Road, Glasgow, 1937–44. The embezzlements included National Health and unemployment contributions in respect of himself and an assistant (£22); 1,000 cash sales which he did not record (£123); and six cheques paid in by a customer which he put through the Society's accounts after taking the corresponding sums out of the drawings (£135).

Pharmacy Act Offence.—At Bradford city court on February 1, Albert Barraclough, proprietor of a village store at Buttershaw, nr. Bradford, was fined £2 12s. 6d. and £2 2s. costs on each of two summonses for selling ephedrine in a container not labelled in the prescribed manner, and without his being an authorised seller of poisons. It was stated that defendant had been before the same court for a similar offence in January 1942, when he was bound over on payment of costs. It was not suggested by the prosecution that he was wilfully offending. Defendant said he had a wholesalers' price list on which the letter "p" was placed before drugs that were poisonous; unfortunately the letter had been omitted in the case of ephedrine. The list had never let him down before.

Juvenile Poisoning Charges.—A thirteen-year-old Saltney, Cheshire, girl was remanded at Chester juvenile court, on February 17, charged with administering poison to a boy aged three years and nine months, who had died on the previous day. The girl's mother told the court that she had been using the poison for years for rheumatism. It had always been left in the same place and the girl had never touched it before.—Before the Liverpool county magistrates, on February 15, two boys, aged fifteen and fourteen, were charged with throwing caustic soda at two girls of the same ages. The magistrates considered the evidence in private, and announced that no *prima facie* case had been made out, but that the police were fully justified in having the matter investigated.

Methylated Spirit as Whisky.—Fine totalling £110 were imposed in Glasgo sheriff court, recently, for offences arisin out of the theft of industrial methylate spirit by William McTaggart, David Moor Pringle and Donald Cameron, all of Gla gow. McTaggart pleaded guilty to havin received 11 gall. methylated spirit withou being authorised to do so, preparing 2 gal for use as a beverage, and selling 9 gall. t Pringle. Pringle admitted having receive 9 gall. without being authorised to do s and having, in concert with anothe man, sold to Cameron 2½ gall. Camero pleaded guilty to receiving this quantit of spirit and preparing it as a beverag The procurator-fiscal said the case aros out of a theft from the premises of methylating company. When McTaggar bought the spirit it had the appearance genuine whisky, as it had been coloured; h had it sampled and after that did not a tempt to sell it across the counter to h customers, as he found it "harsh an unpalatable."

Status of "Properly Constructed" Stal—The decision that a stall is not a sho within the meaning of the Shops Act, 191 (see *C. & D.*, 1943. II. 573), was confirme by the Bolton justices on February 2 when Nathan Foster, 4 Mornington Roa was summoned for having retailed a ointment recommended as a medicine, th sale not having been effected at a sho The evidence was that defendant had daily tenancy of a wooden stall on th forecourt of the Bolton covered marke He made sales on two half-days weekl paying 5s. per day, or 2s. 6d. for any da on which he did not attend. A solicit instructed by the National Federation Market Traders said that, in a previou case, which had gone to the High Court, th stall had been a couple of trestles with board across the top. In the present cas the Court was dealing with a substanti structure—a properly constructed stall which, he claimed, came within the defin tion of a shop. The Federation would on testing different forms of structur until they got to know what a shop wa within the meaning of the Act. Foster stall was on land which was covered wit a roof, he had continuity of tenancy, an was in regular attendance. The Cou ordered the payment of £1, with £10 10 costs, and the magistrates were asked t state a case with a view to an appeal bein lodged.

TOPICAL REFLECTIONS

Reports of Meetings

All concerned are to be congratulated on the decision to admit members of the Press to conferences of the Pharmaceutical Society's branch representatives (p. 197). If I am not misinformed, it has sometimes been impossible to learn, till within a few hours of such meetings, whether or not accredited reporters could be present. Obviously the work of conducting a newspaper is rendered unduly difficult when this information is delayed. About twenty years ago it was explained to me that some speakers in these discussions liked "to blow off steam" but would be unwilling to do so if reporters were present. The remark of Mr. Meldrum that you quote confirms this view. The sooner a weakness of the kind is overcome, the better. One infers a serious lack of a sense of responsibility when a speaker declines to submit a statement to the test of publication. There is a further consideration. Secret sessions, though expedient in an emergency, should be the exception, not the rule. A hankering after them is a sign of morbidity, of a kind of intellectual agoraphobia. It only remains to hope that our speakers, in enjoying—or at any rate in exercising—their new chances of publicity, will cultivate the art of clear expression. Though I was not present on the remarkable occasion when Henry James delivered a memorial address on Robert Browning (it must have been in 1912), I heard or read just afterwards that, one by one, the reporters present laid down their pencils in despair before the end: the involutions of one master superimposed on the complexities of another had baffled them. Far be it from me to suggest that this contretemps is likely to happen often at pharmaceutical meetings, but a cautionary hint may not be amiss.

Migrations

The interesting letter of Mr. H. Lattimer (p. 208) is a reminder of various changes during and before the past fifty years in the addresses of London wholesale houses. Many of your readers, I suppose, share my feeling of regret when, no doubt for excellent reasons, a well-known manufacturing or distributing firm or company moves to new headquarters. Possibly such removals have been more frequent since 1895 than they were in the preceding half-century; but I am not sure of this. One of the latest breaches of continuity has taken place in Plough Court. The building in which Silvanus Bevan, the founder of the business of Allen & Hanburys, Ltd., opened a pharmacy was erected soon after the Great Fire of 1666: here Alexander Pope was born in 1688, and here Bevan set up as an apothecary in 1715. To go through the alphabet for names of historic London houses would consume more space than is allotted to me: it must suffice to select a few of them at random. Some of the firms combining in 1909 to form The British Drug Houses, Ltd., date back to periods comparable with 1715. Burgoyne, Burbidges & Co., Ltd., remained in the City, with only two removals, from 1741 to 1905. May & Baker, Ltd., were in Battersea for just a century. Thomas Morson & Son, Ltd., have had few changes of address since the founder purchased an apothecary's business in Farringdon Street (then known as Fleet Market) in 1821. In the same street, about the same time, the business of Potter & Clarke, Ltd., was started by Henry Potter; removals have been few and far between. Whiffen & Sons, Ltd., trace their origin (through a constituent firm) to 1654, and occasional additions of premises have not taken them far from town.

Price Changes

Changes in wholesale prices, another subject alluded to by the same correspondent, are of perennial interest to those of us who are or were in business. One of the prices cited, 1s. 2d. per lb. for chemical food, does not differ much from the price (1s.) in the *C. & D.* quarterly lists for the first half of 1939. If memory may be trusted, the average wholesale price in the 'nineties for all but the smallest quantities was well below 1s. per lb.; and one hospital with which I was acquainted used to purchase it at about 4d. per lb. Prices as low as this were sometimes charged by local firms for the sake of local kudos and in order that they might buy the ingredients on better terms for general use. It is to be doubted whether in many instances such prices were justified by the result. Market fluctuations have been studied in your Trade Reports as long as I can remember, and with benefit to thoughtful buyers. The reduction of the price of quinine sulphate to 1s. per oz. about the year 1900 was so outstanding an event that the *C. & D.* devoted an editorial article to it; and soon afterwards quotations fell to about two-thirds that sum.

Xrayser

COMPANY NEWS

RONALD LUNT & CO., LTD. (P.C.).—Capital £1,000. Dealers in disinfectants, drugs and toilet requisites, etc. Thomas J Harrison, director. R.O.: 11 Dale Street, Liverpool, 2.

PADU PRODUCTS, LTD. (P.C.).—Capital £100. Dealers in herbs, powders, dyes, soaps, toilet requisites, brushes, essential oils, etc. Reginald D. Landsman, director. R.O.: 92 Blenheim Gardens, London, N.W.2.

PRESOV, LTD. (P.C.).—Capital £500. Manufacturers of and dealers in a composition for preserving eggs and other foodstuffs, etc. Theophilus E. Marash and Jessie G. Marash, directors. R.O.: 9 The Quadrant, Coventry.

JULLIARD, LTD. (P.C.).—Capital £2,000. Manufacturers of and dealers in pharmaceutical and toilet preparations, etc. Roger Julliard and Leonard Hayward, M.P.S., directors. R.O.: Drayton House, Gordon Street, London, W.C.1.

SHARP & WATERHOUSE, LTD. (P.C.).—Capital £1,000. Wholesale or retail chemists, etc. Reginald A. Sharp, M.P.S., Winifred M. Sharp, M.P.S., and Violet M. Waterhouse, M.P.S., directors. R.O.: 4 Victoria Road, Deal.

T. & E. CLEGG, LTD. (P.C.).—Capital £1,000. To acquire the business of a retail druggist carried on by Emma Clegg at 198 Mauldreth Road, Burnage, Levenshulme, Manchester. Emma and Tom Clegg, directors. R.O. as above.

JULIUS HULSEN & CO., LTD. (P.C.).—Capital £100. Manufacturers of and dealers in chemicals, medicated foodstuffs, cordials, etc. Francis G. and Elsie Marshall, directors. R.O.: 43–44 Collingwood Buildings, Collingwood Street, Newcastle-on-Tyne.

MODERN LIMBS, LTD. (P.C.).—Capital £500. Manufacturers of and dealers in artificial limbs, surgical and optical appliances, etc. Cyril G. Hoare, Mrs. W. D. James, and Arthur Muter, directors. R.O.: 104 Sugden Road, London, S.W.11.

PHOTOTECHNICS, LTD. (P.C.).—Capital £1,000. Manufacturers of and dealers in photographic, chemical and optical apparatus, etc. Sidney T. Apps, Neville W. Gilbert and David G. Higgs, directors. R.O.: Lloyds Bank Chambers, Sutton, Surrey.

T. J. BARTON (STREET), LTD. (P.C.).—Capital £2,000. To acquire the business of chemist carried on by the representative of the late Thomas J. Barton, 54 Hig Street, Street, Somerset. Winifred E. Barto and Herbert Milton, M.P.S., directors. R.C as above.

MILTON ANTISEPTIC, LTD.—Final div dend on ordinary shares will be 10 per cent making 15 per cent. (12½ per cent.) for th year ended September 30, 1944.

ASPRO, LTD., have declared an interin dividend of 10 per cent. actual, less incom tax, payable March 12, on the ordinar stock in respect of the year ending June 3

ARTHUR BERTON, LTD.—Trading profi for year ended December 31, 1944, amounte to £31,764, against £18,265 in the previou year. After deductions for directors' fee (£500), depreciation (£4,560), deferred re pairs (£2,000), and taxation (£18,774), ne profit is at £5,930; £1,000 is transferred t general reserve; staff pensions absorb £2,000; and interim dividends, £1,363. Final dividends are 3 per cent. on preference shares and 5 per cent. on ordinary shares; carried forward, £562.

COMING EVENTS

Tuesday, March 6

ROYAL INSTITUTION, 21 Albemarle Street, London, W.1, at 5.15 p.m. Sir Henry Dale, F.R.S., on "Nerve Endings and Chemical Transmitters" (first of three weekly lectures).

Wednesday, March 7

ROYAL SOCIETY OF ARTS, John Adam Street, London, W.C.2, at 1.45 p.m. Mr. R. F. Wilson (secretary, British Colour Council) on "Colour as a Factor in Industrial Design."

WOLVERHAMPTON BRANCH, PHARMACEUTICAL SOCIETY, Civic Hall, Wolverhampton, at 7.30 p.m.–12 midnight. Dance in aid of pharmaceutical charities. Licensed refreshments. Tickets, 4s.

Thursday, March 8

CARDIFF BRANCH, PHARMACEUTICAL SOCIETY, Technical College, Cardiff, at 7.15 p.m. Dr. F. Wokes on "Vitamins."

BRITISH DISPLAY ASSOCIATION, Lighting Service Bureau, 2 Savoy Hill, Strand, London, W.C.2, at 6 p.m. Mr. R. F. Wilson on "Colour in Display."

Sunday, March 11

MANCHESTER PHARMACEUTICAL ASSOCIATION. Ramble to Hope, Castleton and Chinley. Meet Central Station, 8.45 a.m. Book Hope return.

TRADE NOTES

at and Breath Tablets.—Don Bryan, wholesale chemists, Mansel Street, a, state that no points or coupons uired for Latca throat and breath

phosphorous Acid.—Thomas Tyrer Ltd., Stratford, London, E.15, offer ns of hypophosphorous acid contain- per cent., 30 per cent., or 10 per /w of H_3PO_2.

nced Designs.—Mono. Containers, 'ark Royal, London, N.10, have in lans for cartons and containers of ed design and construction resulting ar-time experience and experiments.

ly Situation Eased.—An announce- n this issue by E. Griffiths Hughes, delphi, Salford, 3, states that limited s of Baxen pain-relieving tablets are vailable.

Pack.—The makers of Dencura cleanser (Ben Capper, Ltd., Welles- eet Works, Hanley, Stoke-on-Trent) ssued the product in a new pack is designed to provide a stronger appeal.

Lice and Scabies.—Cellon Labora- Ltd., Kingston-on-Thames, draw n to their preparations Celetane ted (Lethane) hair oil, N.W.F., for e, and Benzelia benzyl benzoate 25 nt. emulsion for the treatment of infestation.

sheeting Supplies.—Ioco, Ltd., Annies- Glasgow, W.3, offer hospital bed gs and jaconets, rubber air-beds and , and other surgical and medical re- ents. Chemists sending orders should 'Required for surgical and medical es."

ibution Change.—An announcement e in this issue by Clinical Products, manufacturers of Menopax anti- c cream, that Scott & Bowne, Ltd., m Springs, Stoke Poges, Bucks, have over the sole distribution of this ity.

roved Sanitary Tampons.—T. J. Smith hew, Ltd., Hull, have made available olesalers limited supplies of Lil-lets ry towels compressed to tampon for internal use). The product is in cartons having four packets of n each.

onal Advertising Scheme.—The ad- ng agents for John Prentice (London), Ltd., The Exchange, London, N.10, state that they have booked space during March, April and May in many leading provincial morning, evening and weekly newspapers to advertise the John Prentice medicated smelling salts.

Reduced Veterinary Prices.—Substantial price reductions from March 1 have been decided upon by Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1, for their veterinary phenothiazine products: Wellcome brand phenothiazine compound dispersible and Tabloid brand phenothiazine, 5-gm.

Alkaloids and Fine Chemicals.—T. & H. Smith, Ltd., Blandfield Chemical Works, Edinburgh, devote part of their advertisement in this week's issue of THE CHEMIST AND DRUGGIST to a biographical note on William Cullen (1710–90), who experimentally used and introduced many new drugs, such as cream of tartar, henbane, tartar emetic, etc. The advertisement forms the first of a series of "Names that have made Edinburgh famous in the realm of chemistry," and is accompanied by a note on the opium derivatives and fine chemicals issued by the company.

Business Changes

RONA LABORATORIES, LTD., manufacturing chemists, are now established at 159 Finchley Road, London, N.W.3.

MR. JAMES N. WHYTE, M.P.S., has purchased the business of J. & D. Russell, 36 Hamilton Street, Saltcoats, Ayrshire.

MR. JOHN HUTTON, M.P.S., is shortly retiring from business at 8 High Street, Brechin. The business has been advertised for sale.

LENNON, LTD., announce that their London buying will in future be done by Campbell Bros., Carter & Co., Ltd., Kingswood Court, Tadworth, Surrey, who are taking over the London offices and packing department of Messrs. Lennon. Buying for the company's establishments in South Africa and Rhodesia will continue to be conducted from 73 King William Street, London, E.C.4.

Proprietary Articles Trade Association

Additions to Protected List.—*C. J. Hewlett & Son, Ltd.*, S.B.T. brand sterilised solution, 10 c.c., 90s. doz., tax 15s. doz., inclusive retail price 12s. 5d.; 60 c.c., 37s. each, tax 6s. 2d. each, i.r.p. 61s. 8d.

DEATHS

AVES.—During January, Mr. Ernest Harold Aves, M.P.S., 36 Moorside Road, Heaton Moor, Stockport. Mr. Aves qualified in 1894.

EDEN.—On December 20, 1944, Mr. William James Eden, M.P.S., 83 Clowes Street, West Gorton, Manchester. Mr. Eden qualified in 1891.

FORD.—On active service, on February 20, Captain Alan T. B. Ford, R.A.S.C., chairman, T. H. Ford, Ltd., surgical dressings manufacturers, 13 Aldersgate Street, London, E.C.1.

FRASER.—At his home, 343 Anlaby Road, Hull, recently, Mr. James E. G. S. Fraser, aged fifty-seven. Mr. Fraser was a past-president of the North-east Yorkshire and Lincolnshire Branch of the Incorporated Dental Society, and carried on a drug business under the style of James Fraser (Hull), Ltd., 275 Anlaby Road, Hull.

GRANT.—On November 29, 1944, Lieutenant Douglas Grant, R.A., M.P.S., 172 Copse Hill, London, S.W.20. Lieutenant Grant qualified in 1940.

MILES.—On active service during August 1944, Mr. Stanley Edward Miles, M.P.S., St. Clair, Rodborough Hill, Stroud, Glos. Mr. Miles qualified in 1941.

MOGG.—On February 14, Mr. Arthur Thomas Mogg, M.P.S., 17 Meteor Street, Adamsdown, Cardiff, aged sixty-three.

PARKIN.—At Claremont nursing-home, Sheffield, on February 3, following an operation, Mr. Ernest Parkin, M.P.S., 26 King Street, Hoyland, near Barnsley, Yorks, aged sixty-six.

SAVILL.—On January 31, Mr. William Arthur Savill, M.P.S., 19 The Esplanade, Ryde, Isle of Wight, aged seventy-four.

SHIPMAN.—At North Lodge, Hoburne, Christchurch, Hants, on February 7, Mr. Ernest William Shipman, formerly of Hastings, aged seventy-nine. Mr. Shipman qualified as a chemist and druggist in 1889.

START.—On December 11, 1944, Mr. George Edward Start, M.P.S., 56 Brown Edge Road, Buxton, Derbyshire. Mr. Start qualified in 1886.

WHYTE.—At Tormount, Lour Road, Forfar, Angus, on February 19, Mr. Edward Whyte, formerly with Bathgate & Co., chemists, 19 Old Court House Street, Calcutta, India. Mr. Whyte qualified as a chemist and druggist in 1902.

WILLIAMS.—On December 15, 1944, Mr. Francis Williams, M.P.S., 63 Hull Road, Hessle, E. Yorks, aged sixty-six.

MARRIAGE

THOMSON—HOSIE.—At Shettlesto Parish Church, Glasgow, on Februa Robert John Stone Thomson, Inv to Jessie McPhee Hosie, M.P.S., Hills, Glasgow.

PERSONALITIES

LADY BANTING, widow of the disc of insulin, has taken the degree of M Toronto, Canada.

SENATOR MAJOR ROLAND NUGENT has been appointed Minister of Con for Northern Ireland.

MR. ALEC SAMUEL JOHNSON, J.P., M Cardiff, has been re-elected chairman visiting justices to H.M. Prison, Car

MR. F. G. WELLS (president Pharmaceutical Society) gave an a on "The Romance of Pharmacy" to bers of the Hanwell Townsmen's Gu February 14.

MR. LEONARD HIGGS (assistant sec Thames Valley Branch of the Pharm tical Society) has been appointed ernor of Kingston Grammar Scho Kingston Technical College.

PROFESSOR SIR ALEXANDER FLEM recognition of his discovery of pen and PROFESSOR SIR HOWARD W. F for his work in making possible its application, have been awarded by burgh University the Cameron pri practical therapeutics for 1945.

WILLS

THOMAS HALL ROKEBY PLUMER COUNT PLUMER, M.C.), chairman Society of Herbalists, left £7,381.

MR. WILLIAM ARTHUR PHILLIPS, M 9 Lansdowne Road, Tunbridge Well £3,292, with net personalty £2,798.

MR. JOHN HENRY HOPLEY, M.P. Curzon Park, Chester (chairman, & Hopley, Ltd., Chester), left £1 with net personalty £8,947.

MR. JOHN PIRIE, M.P.S., 26 Chels Drive, Plumstead, London, S.E.18 6 The Slade, Plumstead, left £1,195 net personalty £377.

MR. GEORGE ALFRED CARR, 31 Clar Crescent, Sheffield, managing direc George Carr & Co., Ltd., manufac chemists, Sheffield, left £3,120, wit personalty £3,064.

LACKPOOL CHEMISTS' DISPENSING RULES

one of the seventy-three proprietor acists in Blackpool has undertaken here to a set of rules for private sing drawn up by the local branch e National Pharmaceutical Union. ules that have been adopted are as s':—

The prescription shall be priced ac- g to the N.P.U. price list.

No charge shall be made for aqua specially ordered "distilled."

A minimum of one penny shall be ed for each individual item.

The code word "Bishopsgate" shall ed and the date of pricing shall be d on every prescription.

A minimum of 1s. 6d. for 6 oz., 1s. 9d. oz., shall be made for any prescription mixture, inclusive of container.

Where a prescription has been deli- ly undercharged or overcharged owing ecial circumstances, the letter "Z" be placed after the code pricing. e an overcharge has been so marked, price shall be maintained. Where an rcharge has been made, the prescrip- may be re-priced at the pharmacist's discretion, but the prescription must be marked to that effect. Only under special circumstances shall the prescription be underpriced, and never for the purpose of attracting other business.

7. Where a prescription has been wrongly priced after the agreed date, complaint shall be made to a specified official, who will negotiate with the offender so that no unpleasantness is caused on either side. Such offender will immediately alter his book in accordance with the accepted figure and charge that price in future.

8. Where a difference of not more than twopence occurs between two pricings, the original shall be accepted as ruling.

9. Prescriptions dispensed after three months from the original dispensing shall be re-costed and altered where more than twopence difference occurs.

10. In pricing drugs not included in the N.P.U. list, the wholesale price plus 100 per cent. shall be charged.

11. In view of the difference in prices for emuls. aquæ conc. and aquæ dil., the N.P.U. price for aquæ conc. shall be charged for all medicated waters.

ANXIETIES IN BATH ABOUT THE FUTURE

RATERNAL HOUR" preceded a meeting e Bath Branch of the Pharmaceutical ty, on February 21, at which the ker was Mr. W. S. Howells (a member uncil). Mr. L. E. Williams (president, Branch) was in the chair, and mem- appeared to appreciate the innovation. R. HOWELLS spoke on "Pharmacists and National Health Service." He described functions and objects of the Pharma- ical Joint Committee, the policy of h, he said, was that all pharmaceutical k, wherever done, should be done by rmacists. In the future, pharmacists ld not feel that they had to go chasing r business which was not properly rmaceutical.

the discussion which followed, COUN- LOR D. J. WILLIAMS (head of the depart- t of pharmacy, Merchant Venturers' hnical College, Bristol), urged that the hod of approach to the authorities uld be remuneration for training, skill responsibility; the word "profit," he , had been the damnation of pharmacy should be kept in the background.

IR. J. ASPELL asked whether, under a ional Health Service, pharmacy would come to occupy the same position in this country as on the Continent, where there were (*a*) professional pharmacists and (*b*) chemists and druggists. The latter seemed to make more out of their business activities than the former.—The reply was that pharmacy was not likely to develop on continental lines for some time to come, but there would be no need for the various "outside" lines, "from teapots to paper d'oylies," and it should not be necessary for pharmacists to run after the proprietary medicine business.

MR. J. ELLIS WILLIAMS asked whether the Society and/or the Joint Committee was aware of the number of Apothecaries' Hall students who were at present being trained in dispensing, or who might be trained under future Government ex-Service training schemes, and whether such dispensers were not considered to be a future menace to pharmacists in that they might be employed to replace pharmacists in N.H.S.? MR. HOWELLS agreed that the position should be watched, but added that such dispensers might quite well be employed in dispensing, provided they were under the supervision of pharmacists.

EIRE WHOLESALERS' DINNER

THE third annual dinner organised by the wholesale section of the Irish Drug Association was held in Dublin on February 7, Mr. John Fasken (chairman of the section) presiding. Top of the table guests were Mrs. Lyall Smith, Mr. C. J. Cremen (president, Pharmaceutical Society of Ireland), Mr. and Mrs. J. Fasken, Mr. Lyall G. Smith (president, retail section, I.D.A.), Mrs. C. Cremen, and Mr. J. K. Whelehan (vice-president, Pharmaceutical Society).

MR. A. W. HUGHES (St. Dalmas, Ltd.), proposing "The Pharmaceutical Society of Ireland," regretted that the registrar (Mr. J. J. Kerr) was absent owing to indisposition, from which they wished him a speedy recovery.

MR. C. J. CREMEN, responding to the toast, said it was satisfactory to find such happy relations existing between the section and the Society. He thanked those present for their magnificent response to the annual appeal for the Society's Benevolent Fund. He could assure them that every case that came before the Fund was gone into. He asked that, where vacancies for men on the road occurred, members should use their influence to have them filled by Licentiates of the Society.

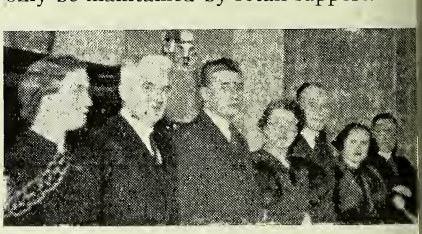
"The I.D.A. Price"

MR. T. RUDDOCK (May, Roberts & Co., Ltd.), toasting "The Irish Drug Association," said the outstanding accomplishment of the Association was the fact that today one heard the retail price commonly referred to as "The I.D.A. Price." Many prominent retailers alleged that their greatest competitor was not a fellow chemist, but the multitude of large and small shops distributing pharmaceutical preparations. Some were of opinion that there were three methods whereby the position might be remedied: Negotiation with manufacturers; retaliation by enlarging the scope of retail pharmacy business; and advertising. "In my opinion friendly negotiations are preferable to unilateral action." The second method—retaliation—was not one which would recommend itself. On behalf of the wholesalers he had no hesitation in promising to the retail section the fullest support and sympathy in post-emergency developments.

MR. LYALL G. SMITH (president of the I.D.A.) replied. He felt they did not see enough of the wholesale section in negotiation. Distribution of pharmaceutical lines by general stores had always been a difficult problem and they looked forwa to co-operation with the wholesale secti in fighting it in the future. The I.D.A. w strong enough to carry out retaliation in uncertain terms, but that method should kept in reserve for use only on very spec occasions. Advertising retail pharmac he understood, had been carried out wi success in New Zealand, where it h Government backing. The slogan "Go Your Chemist" for any medicinal pr paration could be used in advertisi today, but unfortunately some man facturers of largely advertised nation products looked to the chemist in t first instance to establish their goods, a then sold their lines through non-chemist When it came to advertising the ret chemist to the public they must ensu that the goods he had to sell were worth

Wholesalers' Place in the Trade

MR. G. A. MCLEAN LEE, who propos "The Wholesale Section," said he had hea it argued that wholesalers were unnecessar unreasonable and wholly unlovable. H had never held this opinion and in fa was fully convinced that the wholesal fulfilled a useful place in the chemist trade, where they had so many new lin coming on the market. For the past four five years the wholesalers has been "sittir pretty," but he thought that they ha given retailers a fair deal. THE CHAIRMA responding, said that Mr. Glyn-Jon had given it as his view that the solutic of pharmacy's problem was to organise th wholesalers, and today that had bee accomplished. The wholesale section offer pharmacy today a service not attained i any other profession, but which coul only be maintained by retail support.



DINNER OF WHOLESALE SECTION, IRISH DRU ASSOCIATION.—Standing (*left to right*): Mrs. Lyall G Smith, Messrs. C. J. Cremen (president, Pharmaceutic Society of Ireland), and John Fasken (chairman, I.D.A wholesale section), Mrs. Fasken, Mr. Lyall G. Smit (president, Irish Drug Association), Mrs. C. J. Cremer and Mr. J. K. Whelehan (vice-president, Pharmaceutic Society of Ireland).

"SCIENCE IN PEACE" CONFERENCE

HE Association of Scientific Workers held conference in London, on February 17 id 18, under the title "Science in Peace." any prominent scientists read papers, and ie following resolution, moved at the end the conference, was carried unanimously:

This conference declares its conviction that:

1. The achievement of a progressive rise the standard of living of mankind needs the llest use of science and technique, within the amework of a world expansionist economy.

2. An expansionist economic policy at home iplies assistance to the backward and unveloped countries to raise their productive vel by the establishment of modern industry id scientific agriculture.

3. In this country, the advance and efficient pplication of science requires democratic anning largely by scientists themselves. For is we propose a Central Research and Development Council, under the authority of the Lord resident of the Council.

4. The problems facing the manual workers the future, arising from the effect on their orking conditions of scientific and technical lvances, demand close collaboration between e organised scientists and the rest of the trade ion movement.

5. The closest collaboration must be achieved between the people of all nations, including the fullest interchange of scientific and technical knowledge, based on the contacts now being built between the scientists in Great Britain and the Dominions, the U.S.S.R., France, and the U.S.A.

In summing-up the Conference the chairman (Professor J. D. Bernal, F.R.S.) said that the keynote had been struck at the beginning, when one speaker said there would be no future for science except in an expansionist economy, which implied full employment. This was reiterated by subsequent speakers, and another point brought out was that there must be industrial democracy among scientific workers. Drs. Ruheman, Levy and Cooper had shown that in the basic industries there must be rational utilisation of natural resources. Several speakers had pointed out that there was a great future for a heavy organic chemical industry based on natural products, plants, and possibly also bacteria and fungi. An Editorial note appears on p. 224.

SURGICAL INSTRUMENT MANUFACTURERS

HE annual meeting of the Federation of irgical Instrument Manufacturers was ld in London on February 14, when THE HAIRMAN (Mr. E. W. Philpott) surveyed events of the year. The increased membership, he said, gave him an opportunity of extending a welcome to many new members. In addition, energetic work by members had gained recognition in Government departments, and the Federation was being represented on various committees dealing with matters conerning the industry, particularly under the irectorate of Medical Supplies and Board Trade. Deputations representing the Fedration had been received, and important atters such as future export trade and the sposal of surplus stores had been the ibject of negotiations. The principal scussion was around the scheme put rward for the disposal of Government surplus after the war; the plan put forward by the Federation would ensure that firms supplying to the Government would have an option of repurchasing any surplus of their own goods, so that they could be reconditioned and resupplied through normal trade channels. The auditors' report, which was adopted, showed the financial condition of the Federation to be satisfactory.

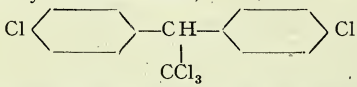
Mr. Mark C. Rimmer

The officers for the year were then elected. The new *Chairman* (Mr. Mark C. Rimmer, managing director, Holborn Surgical Instrument Co., Ltd.) had recently returned from a visit to liberated France. He gave members an account of the conditions he found there. The new *Vice-chairman* is Mr. David L. Hatrick (E. J. Peirce & Co. (London), Ltd.), Maryport, Cumberland, who is also the Federation's representative on the British Standards Institution Committee dealing with standardisation of hypodermic equipment. The *Executive Committee* was re-elected, with the addition of Mr. Mostyn Brown (C. Davis Keeler, Ltd.) to fill a vacancy created by Mr. Hatrick's promotion to the vice-chair. Mr. E. W. Philpott (retiring chairman) was elected first *President* of the Federation, and Mr. Robert Allen (Spencer (Banbury), Ltd.) was elected *Vice-president.*

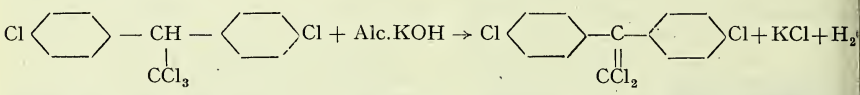
CHEMISTRY, PROPERTIES, AND USES OF D. D.

A previous note on the compound appeared in the " C. & D.," 1944. II. 225.

THE white amorphous powder, waxy to the touch, and having a slight odour of monochlorbenzene, which is termed D.D.T. by the Ministry of Supply, consists of approximately 70–80 per cent. p.p′.dichloro-diphenyl-trichlorethane,



the remainder consisting chiefly of the ortho compound. As the product is not chemically a single compound, differing samples show diversions in melting-point. Purification may be carried out by recrystallisation from alcohol to give colourless crystals having a definite melting-point, but as there is a reduction in yield for no increase in toxicity, the increased cost is obviously not warranted. D.D.T. possesses remarkable qualities of adsorption, enabling it to be adsorbed on to a surface, which thereafter remains toxic to insects for a prolonged period. The substance is stable, and not decomposed by sunlight, air or water. All the chlorine atoms are firmly held. Aqueous potash has no action, although alcoholic potash reacts according to the equation:—



the resulting compound being p.p′.-dichloro-diphenyl-dichlorethane, a compound which does not possess toxic properties to any marked degree. Although insoluble in water, D.D.T. is very soluble in most olefine and cyclic solvents and less soluble in the paraffins.

Toxicology

Flies absorb D.D.T. through the fine sensorial organs of the tarsi, and lose control of their legs after experiencing a short period of intense excitement. Being unable to fly, they ultimately turn upon their backs, and, with sprawling legs, die. The explanation given is that paralysis of the nervous system takes place, affecting the legs first, because the D.D.T. is absorbed through the feet. The May beetle, which can swallow arsenates without being affected, loses control of its mandibles, and the digestive tracts are paralysed on eating a substance impregnated with D.D.T. Consequently the beetle dies of starvation, or breakdown of its nervous system. Although absorption takes place in differ ways, the ultimate results are the sar namely, action through the nervous syste As the powder and aqueous spray are i absorbed, they do not set up irritation the skin. In Naples, a 10 per cent. lo powder was used without recorded har whereas the listed preparations cont only 5 per cent. D.D.T. As oils and orga solvents are absorbed by the skin, to effects have been set up by the dissolv toxicant, and protection is therefore adv able. At the University Hospital, Zuri louse-ridden patients with skin abrasic and sores showed no ill effects when treat with D.D.T.

Toxicity

Extensive feeding tests have been carri out, first in Switzerland, later in t country and subsequently in the U.S. which prove that, in dry form or wa suspension, D.D.T. preparations are har less. Organic solvents, however, should used with due care, and the inhalation dust or fine spray should be avoided. D.D.T. has little action on warm-blood animals, little toxic action is likely to experienced by man, and there are reasons to assume that it will appear on t poisons schedules of this or any oth country—a fact which is of paramou importance in a compound intended to used as a general insecticide.

How it is Used

The original Swiss manufacturers of D.D.T. in the form of a dusting powd (Guesarol) containing 5 per cent. D.D. in an inert carrier; as Guesarol spray, white powder containing 5 per cent. D.D. together with wetting and suspendi agents: the preparation is ultimately ma up with water to give a 0·05 per cent. 0·10 per cent. suspension; Guesapon emu sion containing 5 per cent. D.D.T.; Gu sarex combined insecticide and fungicid containing 5 per cent. D.D.T.; and Neoc powder containing 5 per cent. D.D.T. pyrophyllite, and used chiefly for medic preparations. The use of D.D.T. in spr form is worthy of discussion, for its activi may be increased or decreased by appr

iate choice of solvent. It has been shown at the activity of insecticides may be creased by using a light, instead of a heavy, neral oil, owing to the increased penetra-on of toxicant induced by the lighter oils. me solvents act as synergists to aid in e killing of the insect, examples being porising kerosene alcohol, *n*-butyl alco-l, tertiary butyl alcohol, and tetrachlor-hane.

In the past few years U.S. chemists have veloped the aerosol method of pest struction. The word aerosol was first ggested by Donnan in 1923 "to denote a stem of particles of ultra-microscopic ze dispersed in a gas." The substance to dispersed is dissolved in a substance at w temperatures, or under high pressure, hen it is in liquid phase. If D.D.T. is ssolved in such a liquid, stored in a bomb syphon-like container, the liquid is trans-rmed into a gas on release of pressure rough a suitable atomising nozzle. A emendous increase in volume takes place. he D.D.T., previously dissolved in the bstance, is freed in particles of ultra-icroscopic size, dispersed in the gas. The articles produced are so small that the ttling rate is extremely low, and the ense cloud completely covers the area rayed. U.S. authorities use such a spray ith a liquid boiling at — 21° C. and com-ercially known as Freon. The advantages re ease and speed in use, non-requirement f spray equipment, and extreme efficiency. Higher costs of production may limit eace-time uses.

nsecticidal Uses

The 5 per cent. powder is effective on ody, head and crab lice, fleas and nits, he period of effectiveness extending beyond he period of incubation of the eggs hatched pon the host. With animals, fleas were ound to leave within ten or fifteen inutes after the powder had been well ubbed in. Sticktight fleas died upon the nimal. House and stable flies died after ontact, when the powder was dusted on a lampshade. Several varieties of moth, including the clothes moth, suffered the same fate. Flies migrated to other rooms where there was no D.D.T. A plague of flying ants was successfully dealt with by dusting D.D.T. profusely over the house, death following a short while after contact. Silverfish disappeared after one treatment of an infected hearth, after complete failure of fluorides. Cockroaches showed only a decrease in number after using the standard 5 per cent. powder but, using D.D.T. as a 5 per cent. admixture with artificial cryolite, there was almost complete eradication; investigations on this aspect are still in progress by the author. Bed-bugs can be controlled by dusting with the powder.

Guesarol E spray is expected to fill the demand for a water spray for domestic use. It may be used for head lice, either as a spray or dry as a wash, and for laundry use in delousing and protecting clothes, although an impregnated soap will probably meet the latter need. Animal pets, including birds, can be completely freed by any of the above methods of treatment, without endangering their health. It seems likely that kerosene pyrethrum sprays will retain their hold upon the market, with D.D.T. added as a synergist both to give a "knock-down" action upon insects and to provide its considerable persistent effects. Aerosol sprays containing D.D.T. will, when available, commend themselves to medical authorities, etc., because of the extreme efficiency of the method.

Uses in Agriculture and Horticulture

It was in agriculture that D.D.T. was first tried by Swiss workers, and in 1939 its use controlled an outbreak of Colorado beetle. In Switzerland, it was used against carrot fly, the emulsion proving more effective as a practical control measure. Cabbage-root flies were completely controlled with a 1 per cent. emulsion; 2 per cent. solutions were extremely efficacious in eradicating wire-worms, the soil retaining its effect for two months after application. Eel-worm-infected soil was also sterilised successfully with 2 per cent. emulsion, giving complete protection for onions. Protection can also be given against flea beetle, cabbage butterfly, leek moth, and raspberry beetle. As a spray, D.D.T. is effective against most pests which inhabit orchards, and the subject opens an extensive field for its use. Bees are affected by direct contact, but the dried spray has apparently no effect. Sprayings must therefore be carried out in the evenings and early mornings, when the bee is at rest. The position, however, needs much clarification. D.D.T. 5 per cent. emulsion, and the spray when used in only 1 or 2 per cent. concentrations, have no phytocidal action. The locust is receiving merited attention, and the uses of D.D.T. against mosquitoes have received much publicity, for the chemical is aiding the clearing of infected regions in the Middle and Far East fighting zones.

[Material for this article was supplied by the Rodmill Chemical Co., Ltd., Liverpool, 7.]

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INFORMATION WANTED

Information with respect to suppliers of undermentioned will be appreciated:—

Karagar (makers or suppliers).

THE
HEMIST AND DRUGGIST
ESTABLISHED 1859
TAILER — WHOLESALER — MANUFACTURER
lates throughout the Pharmaceutical, ical, Drug, Essential Oil, Perfumery, etic, Toilet Preparation and allied s and Industries in Great Britain, Eire, British Empire, and foreign countries
l organ of The Pharmaceutical Society of d, The Pharmaceutical Society of Northern d, The Chemists' and Druggists' Society of d and of other Chemists' Societies in the Empire
CXLIII MARCH 3, 1945 NO. 3395

fact that goods made of raw materials ort supply owing to war conditions are tised in this paper or described in its ial columns should not be taken as an ation that they are necessarily available port.

e Whereabouts of Industry

purpose of the Distribution of In- y Bill (Stationery Office, price four-) is to enable the Government to e a proper distribution of industry over ountry as a whole by stimulating the trial and social development of areas hich there is a special danger of un- yment (described as "development "), and by controlling further indus- levelopment in other areas, where such ol appears to be desirable for econo- social or strategic reasons. It also s up the affairs of the Commissioners he Special Areas, and provides for the arge of commitments entered into em.

use 1 empowers the Board of Trade quire land in development areas so premises for industrial undertakings, ans of access thereto, may be provided. Board may also erect factories and buildings for industrial undertakings y land held by them in development , and prepare the land as sites for such ises. The consideration for the dis- of such land or premises is to be mined with the consent of the sury.

Under Clause 4 the Treasury is authorised, in accordance with the recommendations of an advisory committee, to give financial assistance in respect of the capital requirements of industrial undertakings in development areas by making annual grants and loans, subject to the conditions specified in the Clause.

The Board of Trade is empowered under Clause 5 to acquire derelict land in development areas and carry out work on it, with a view to bringing it into use or improving the amenities of the neighbourhood; and also, with the consent of the Treasury, to make grants towards the cost of such work where it is undertaken by a local authority or a non-profit-making company.

Clause 6 provides a procedure by which the Board of Trade (acting in Scotland jointly with the Secretary of State for Scotland) may by Order make additions to and removals from the list of development areas given in the First Schedule. Any such Order requires approval by affirmative resolution of both Houses of Parliament.

General Provisions

Under Clause 8 the Board of Trade must be notified of all proposals to erect industrial buildings with an aggregate floor space exceeding 3,000 square feet and forming part of a new industrial unit. Clause 9 provides for the prohibition, in certain areas, of the erection or extension of industrial buildings with an aggregate floor space exceeding 3,000 square feet without the permission of the Board of Trade. The restriction does not apply to the replacement of accommodation which has suffered war damage. This Clause may be applied by Order of the Board to an area in which the provision of further industrial premises would be seriously detrimental to the proper distribution of industry. Any such Order requires approval by affirmative resolution of both Houses of Parliament. Any person who (before such an Order has been made) has incurred in connexion with the erection or extension of a building in the area concerned liability or expense which was subsequently rendered abortive by the refusal of the Board of permission to proceed, may recover the expenditure, or

any sum reasonably paid in discharge of the liability, from the Board of Trade.

The First Schedule of development areas includes districts located in the counties of Durham, Northumberland, the North Riding of Yorkshire, West Cumberland, South Wales and Monmouthshire. In Scotland the development areas scheduled include districts in the counties of Dumbarton, Lanark and Renfrew, Ayr, Dumfries, Stirling, West Lothian, Midlothian and Dundee.

Scientists and the Peace Effort

THE increasing determination of scientists to play their full part in social and political developments is well shown in the number of important conferences on such themes which have taken place within the space of a few weeks. Only quite recently the British Association discussed "The Place of Science in Industry" at a conference which was addressed by more than one member of the Government. During the week-end February 17–18 the Association of Scientific Workers held a conference on "Science in Peace," while "The Place of the Scientist in Post-war Administration" was Professor Harold Laski's title for an address which he delivered to the British Association of Chemists on February 14.

The purposes of the first conference were several: To announce a policy to be adopted by organised science in social and political affairs; to hear from the lips of the politicians their views as to the ways in which science should serve the community; to make known to its own members, and, no doubt, to the statesmen who were present, the ways in which the leaders of organised science themselves considered science could exploit its own territory for the purposes of the community; and finally to rouse public feeling to appreciate and acknowledge the debt owed to science, particularly in snatching victory from near defeat. Brief reference has been made in these columns (January 27, p. 80) to some of the papers read at that conference and it is regretted that exigencies of space prevented a more expanded report. It may fairly be said at this juncture, however, that in taking a forward look the conference was, on the whole, mainly concerned with principles. Lord Woolton (Minist Reconstruction) paid a well-merited t to the way in which scientists had buted to the war effort, and went declare that they must figure equa prominently in the peace-time fa as in war industry. Sir Lawrence attacked political and industrial l for the attitude they had in the pa commonly adopted towards scie "Our leaders in politics and industr said, "who have been educated on classical lines, only too often thi science as a subject for experts, a scientists as tradesmen who are consulted when there is trouble." H made a true and significant refere the need of the scientific worker to "something of the artistic temperame

Importance of Chemical Industry

It fell to the Scientific Workers, ho meeting a few weeks later, to give specific expression to the social ai science. We have not now the oppor to give a comprehensive picture c A.Sc.W. conference, but one or two papers may perhaps be singled ou mention, because they have a s bearing on chemical aspects of ind Dr. Norman Levy, for example, re to the chemical industry as being c importance in reconstruction, its ful tribution depending on the fulfilme six conditions:—

1. Cheaper coal production; its inc use as a chemical raw material; and syst recovery of by-products.
2. An extended fertiliser programme.
3. Systematic reviewing of national res including mineral deposits; and utilisat "waste" materials.
4. Increased production of heavy che as raw materials for the plastics and syn textiles industries.
5. Directed production of building mat
6. Improved controls over the industry

Dr. H. Ruhemann recognised tha money for increasing the efficiency c coal industry could not come from scientists, the miners, or even the ov It could only come from the taxpaye whose ultimate interest it would ne be carried out. To scientists, he reconstruction of the industry me

nal Fuel Research Institution. Pro- J. D. Bernal, F.R.S., while acknow- g that the chemical industry was on science and that it used research sively, deplored that the direction of search was dominated by private ercial and not by national interests, hindering "its full integration with industries and with agriculture."

w impossible it would be to achieve lesired results without overlapping he field of politics was expressed or cit in all the papers read, and an even ger line was taken by Professor Laski dressing the British Association of ists earlier in the week. The speaker "the co-ordination of all the sciences, ling economics and politics."

short extract from Professor Laski's ss may perhaps be taken to sum- e the essential conclusion to be ed from the three conferences or ngs that have been mentioned. "If cientist is to take his proper place in ost-war world, he must . . . recognise nportance of an abundance for all and r a few."

A Local Dispensing Code

days when chemists used to send the d-boy out to see if a competitor was open are happily a thing of the remote but not everywhere has that negative nce of vanished suspicions been ced by positive forms of co-operation. greement recently reached among 100 cent. of proprietor pharmacists in kpool (see p. 217) is a welcome indica- of what can be done in this direction. hat town in future there will be, so far e independent chemists are concerned, nder-cutting in dispensing, or at least e will be the machinery for calling an der to order if his brother pharmacists sider he has not priced a prescription rding to the principles and method ch have been agreed upon. Important nts in the plan are agreement upon a imum for 6-oz. and 8-oz. mixtures, and device of making an addition to the e marking to indicate where, for any cial reason, there has been any departure, er upwards or downwards, from the price as calculated by the agreed method. It is recognised that there must be minor variations of interpretation of the system, resulting in differences of a penny or so, but provided a re-pricing by the second pharmacist to receive a prescription is no more than twopence above or below the charge made by the first, the original price holds. An exception is that after three months a re-costing takes place by whichever pharmacist is called upon to dispense the prescription. As presented, the scheme seems eminently practical and satisfactory, and it may be hoped that similar agreements will be adopted in other areas until substantial uniformity in any homogeneous locality becomes the rule and not the exception.

Advertisements About Dispensing

At the June 1944 meeting of the Council of the Pharmaceutical Society a revised "Statement on Matters of Professional Conduct" was issued for the guidance of pharmacists and corporate bodies carrying on business under the Pharmacy Acts. An important paragraph introduced into the Statement was the following:—

> Advertisements to the public should not refer to dispensing services, provided that this shall not apply to the use of the description "Dispensing Chemists" or to the exhibition of a notice at any premises stating that dispensing is carried on there.

Hitherto no action has been taken to implement the paragraph, but the continued appearance of advertisements of a kind contrary to the standard laid down has prompted the Council to direct attention afresh to the position. What is popularly called the "code of ethics" has, of course, no direct legal force, but breaches of the code may be reported to the Statutory Committee, which is empowered under the Pharmacy and Poisons Act, 1933, to inquire into any form of misconduct, to direct that the name of a pharmacist shall be removed from the Register, to disqualify a body corporate from acting as authorised sellers of poisons, or to direct that any or all the premises of a body corporate shall be removed from the Register of Premises.

PHARMACEUTICAL REORGANISATION

by Eric Neal, M.P.S.

Outline of a proposed scheme presented recently to the West Kent Chemists' Associatio

CHEMISTS have always been noted for their apathetic attitude to the administration of the Pharmaceutical Society, and this was never more evident than in the years 1922 to 1939. This was the period when money held sway, pharmacies were turned into "penny bazaars," and the pride of the pharmacist was in his turnover and not in his profession. So long as he was left in peace with his ironware, stationery and other sidelines, which he adopted to increase his turnover and decrease his status with the public, the Council could look after itself and the professional side of retail pharmacy. During this period of rabid commercialism the Council did look after itself. The Society, in fact, has been made more powerful than before, and its status has never been higher. But little has been done for the good of individual members.

Apathy or Frustration?

There are signs that this period of inertia is coming to an end, but the bulk of members are still content to have all the advantages of their profession without accepting their responsibilities as members of the Society. At the recent Branch Representatives' meeting only 42 per cent. of Branches were represented at a discussion that was one of the most important held in the history of our Society. This, I suggest, is not solely due to apathy, but in the words of a Lancashire delegate, "to a feeling of frustration, as all the important decisions are made by the Council without reference to the delegates." If this should be the case, then the structure of pharmacy needs reorganising, so that the Council can be instructed by members. The present Council is composed of twenty-four councillors, three appointed by the Privy Council, the remaining twenty-one elected by members of the Society, or to be more correct, by 45 per cent. of the members, as the remainder are not sufficiently interested to cast their vote. Of these twenty-one councillors, six are from Yorkshire, five from London, and two from Lancashire, while Warwick, Herts, Bucks, Staffs, Surrey, Wales and Scotland each contribute one. Thus, not only large areas of the country, but also large numbers of members, are without a councillor who has personal knowledge of conditions locally. This is not all, for over half of the Council is composed of retail proprietors, a cl which composes only about 40 per ce of the membership. Therefore in no w can it be held that the Council is rep sentative of the different interests pharmacy or that it is truly representati of its members. At present the Coun is too far removed from the branches, a some closer method of working is neede This can only be achieved by territor and sectional representation.

Territorial and Sectional Representation

Let the country be divided into fi areas, each containing approximately t same number of members, each area return four councillors, making a total twenty, one less than the present numb This will provide for territorial repr sentation, but to make the Council balanc something further is needed. In pharma there are four main classes of practisi pharmacists: those employed in hospita and public institutions, those in wholesa and manufacturing houses, and those retail, who comprise two classes, employ and employer. Now, in the suggestic made, each of the five areas would retu four councillors; these should be ma up of one from each class, thus giving Council which is representative of a classes and of every part of the countr Territorial representation has been su gested to the Council previously, and t reply has been that it will not only gi fewer elections than at present but wi introduce politics into pharmacy. As t scheme I am outlining caters for all interes in pharmacy equally, there can be n suggestion of politics, other than purel pharmaceutical politics, and I venture t doubt the accuracy of the statement tha there would be fewer elections. On t other hand, let us look at the advantag to be had from such a scheme. Eac sectional interest in every part of t country would have a direct representativ on the Council, who would be familia with the problems of that interest in tha particular area and who could be hel personally responsible for putting the view of his electors before the Council. B reducing the number of electors to b canvassed, the cost of an election campaig would be reduced, so enabling younger me to seek election and giving more member

opportunity of standing. Resolutions arded to the Council by the branches, ead of being formally laid on the table forgotten, as at present, would have the rest of the Councillor for the area, who ld see that it received fair consideration.

ing Members' Views

nother way in which the Council fails present is in the method used to assess feeling of the members on any matter. method now used is to send Councillors certain members of the staff of the ety around the branches to address tings and then report back to the ncil their impressions, even if the ting was attended by only a small portion of members. This is a hap-ard method, as no two opinions of the ng of any meeting will agree in all ects. Also, in a Society such as ours, impossible to have even a fair attend-e of members at a general meeting even as has been suggested, the meeting uld be held in different centres each r, so that no opinions expressed by such eeting can be considered representative he general opinion of all members. When Council requires the opinion of mem-s, or when there are to be matters raised general meetings, every member of the iety should be given the opportunity registering his vote whether he is able ttend the meeting or not. This can be e by sending out a questionnaire or ing paper to each member. It may be gested that, as only 45 per cent. of the nbers vote at the annual election, this ld be a waste of time and money, but n so, assuming the same number of ers are returned, it would give the nite opinion of over 11,000 members, inst the "opinion" of one man gained at ocal meeting or of, say, about thirty mbers at a general meeting. The Council e brought into touch with both the nches and the members, it is up to nches to arouse the interest of the mbers in pharmaceutical activities. This be done by careful arrangement of grammes and activities to cover all the erests of their members, whatever section pharmacy they are in.

bers by Branch Members

The majority of branches are content to ite outside speakers to address them on ne subject of interest, questions being erwards asked of the speaker. The dresses are usually of an educational character and seldom on pharmaceutical policy. In my experience, after attending the meetings of many branches in different parts of the country, pharmacists seem reluctant to provoke discussion after the address. I feel that, if at least two meetings in each session are kept open for short papers to be given by the members themselves, more interest would be aroused and discussion more freely entered into. One of the meetings could be kept open for discussion of pharmaceutical policy, and a member of the Council invited to attend, not only to be enlightened as to the feelings of the branch but to give a short address on the current pharmaceutical affairs engaging the attention of the Council at the time. Such reforms would not only bring the activities of the Council more into line with the wishes of the majority of the members, but would stimulate that interest and pride of the pharmacist in his chosen profession which is so sadly needed. With this pride in profession once established, more amicable relations would exist between pharmacist and pharmacist, and there would be no question of how to raise his status in the eyes of the public, as this would automatically happen.

Livingstone's Rousers.—"Do you know these?" asked my friend the chemist. From the back of a shelf he lifted a medium-sized bottle containing several hundred white-coated tablets, and I studied the label with interest. It bore the superscription of a well-known firm of wholesale chemists and in large letters the words 'Livingstone's Rousers.' The name was not belied by the formula, which stated that each tablet contained a far from negligible amount of calomel, jalap, rhubarb and (one wonders why?) quinine. Undoubtedly the Rousers would have strength to remove mountains but it was doubtful whether they would have the charity which is the *sine qua non* of the ideal purgative. Whence did these tablets obtain their name? Was the original Livingstone some small practitioner or chemist plying his trade in a more than usually constipated neighbourhood, or was he a knocker-up in some Lancashire mill town whose tapping required reinforcement? Or was he the great David himself? There is a wistful attraction in the thought of his walking through some remote African village in the early morning, noting with satisfaction that the Rousers were taking effect and that even the village sluggard was not lying abed."—From the "Lancet."

PHARMACEUTICAL SOCIETY OF IRELAND

THE monthly meeting of the Council of the Pharmaceutical Society of Ireland was held in Dublin on February 13, Mr. C. J. Cremen (president) in the chair. Other members of the Council present were Messrs. J. K. Whelehan, P. C. Cahill, J. P. Kissane, and P. Brooke-Kelly, Sir T. Robinson, Messrs. M. Power, N. A. McKane, P. F. McGrath, M. Costelloe, T. C. Scott, W. G. Cunningham, J. Gleeson, J. A. O'Rourke, P. A. Brady, H. P. Corrigan, F. X. Meagher, and P. Fullam. THE PRESIDENT said members would be sorry to learn that their registrar (Mr. Kerr) was indisposed. In Mr. Kerr's absence he asked Mr. Gleeson to deputise. This Mr. Gleeson did.

Since the previous meeting of the Council, said THE PRESIDENT, Mr. David Warwick (a former president of the Society and one of its examiners) had passed away. He was sure all would feel that pharmacy had lost by his death an outstanding character, and he asked the Council to rise with him to pass a vote of sympathy with the relatives. The president's remarks were endorsed by Mr. P. A. BRADY, MR. F. X. MEAGHER and SIR T. ROBINSON. The motion was seconded by MR. P. C. CAHILL and passed in silence, all members standing.

On the motion of THE PRESIDENT, seconded by MR. CAHILL, a motion of sympathy was also passed with Mr. T. B. O'Sullivan (a member of Council) on the death of his mother.

Benevolent Fund Deputation

The Council then received the following members of the Benevolent Fund dance committee: Mr. T. J. Gleeson (chairman), Misses K. O'Shea (secretary), C. O'Reilly (treasurer) and M. Lawlor, and Messrs. Con Collis, P. G. Redmond, and M. Nicell. MR. T. GLEESON said it was his privilege and pleasure to head the deputation and to present a cheque to the Fund as the result of their labours for 1944. He believed that this annual cheque from the dance committee had become the mainstay of the Benevolent Fund, and this was something of which the committee was proud. Since the inception of the committee some eight years ago the cheque handed over annually had gone up by leaps and bounds. Last year they had reached an undreamed-of figure and thought they had shot their bolt, but once again they had gone one better. This was entirely due to the hard work of members of the committee, particularly the treasurer (Miss Chris O'R and painstaking secretaries, Miss O and Mr. Dave Murphy. Few realised much time and leisure these people given up for eleven or twelve weeks b the dance to further a good cause, and best thanks were due to all three. The c committee was indebted to the office the Society and to the Irish Drug Ass tion for help and co-operation. Last not least, he would like to thank Mr. Smith, of the trade Press, who did than one man's share to further the c He had great pleasure now in handing to the president a cheque for £390 7s (prolonged applause).

Tribute to Committee's Chairman

THE PRESIDENT, receiving the che said it represented an amazing amou money to be collected by the dance mittee under Mr. Gleeson's chairman They were fortunate in having an ou body like the dance committee taking a great interest in the Benevolent F Without the contribution from the d committee he was afraid the progress o Fund would have left a lot to be des The Benevolent Fund dance had es lished itself as one of the outstanding s functions in Dublin, and weeks befor the tickets were at a premium. He h the committee would continue the work, and thanked them one and all.

MR. CAHILL said it was his duty treasurer to join with the presiden thanking the committee for its gene cheque. On the Council they were to meet the claims made on the Benevo Fund more generously than they c otherwise have done, and in additio enabled them to build up a strong rese He appealed to the committee to perse in its efforts for another few years at le until they felt they had sufficient reve from the reserve fund investments to n all claims. It was difficult to convey t sense of gratitude, but he could say every member of the Council and Society appreciated the great work committee was doing for the Fund. also paid tribute to members of the c mittee who helped them to admini the Fund.

MR. BRADY, associating himself with president and Mr. Cahill, said that as interested, with the late Mr. T. Doyle initiating the Benevolent Fund fourt or fifteen years previously, he had thou

terms of £5 or £10. When they 30 from a dance they thought it was achievement, but the present Committee ong with £390. That was tremendous did not know where they were going

. ROBINSON said he personally owed the tee a great debt in giving an old man an opportunity of going out and enjoy- self, and he endorsed every word that n said.

ON COLLIS associated himself with the of the committee's chairman (Mr. Tim) and congratulated him on the record achieved. Miss O'Reilly, their treasurer, n rightly mentioned, and he would also thank the officers of the Society. The ion then withdrew.

pondence

mmunication was received from the ment of Industry and Commerce on a of distribution. Imperial Chemical ies, Ltd., wrote expressing thanks for ation asked for regarding the supplying I poisons to members of the medical terinary professions, hospitals, etc., in

ntices in Local Areas

E. MacSweeny, Cork, wrote: "I have sked by the Cork Chemists' Association w if you can furnish me with a list of pharmaceutical apprentices in Cork city, e names of the chemists to whom they prenticed." MR. BRADY inquired if it be possible for other local associations hat Cork was doing—go into the appren- p question in their own areas. His inform- was that the problem was worsening of getting better. They should be able how many chemists had two, three, four apprentices. THE PRESIDENT said the would get publicity now in the trade and it was quite possible that other ations would write in and ask for similar ation. MR. MCKANE said that the secre- f his local Association would apply for formation, and MR. CAHILL pointed out cal Associations could assist the registrar ping his records up to date by an inter- of information on this matter. It was to supply the desired information to the Chemists' Association, making it clear ome of the apprentices on the list might completed their apprenticeship but failed tify the registrar in accordance with the tions, while others might have left before etion of their four years' apprenticeship.

etter was read from Mr. H. N. Linstead tary, Pharmaceutical Society of Great n) regarding the appointment of repre- tives on the Pharmacopœia Selection ittee. After discussion, the Council d to the nomination of Messrs. F. G. Wells, . Maplethorpe, and H. N. Linstead as entatives of the Pharmaceutical Society eland on the Committee. A letter from A. F. Collins regarding the botany and materia medica class was referred to the education subcommittee.

Mr. John J. Gaynor (law adviser), reporting on a recent prosecution against Helena R. Hay and John Hay, Cork, wrote:—

"These cases came on for hearing at Cork on January 29, when both summonses were dismissed. I was informed by my correspondent that both Mrs. Byrne and Miss Cassidy gave evidence in a satisfactory manner, but the question turned on the evidence of the defendants. It appears that John Hay stated that at the time of the sale his sister Helena R. Hay (the qualified person) was in the store adjoining the shop, that he went to her and asked her for the pomade, which she handed him out of a case which she was unpacking, and he thereupon handed it to the complainant. Miss Hay gave corroborative evidence, and stated that she had heard the conversation between John Hay and the complainant. Evidently the justice concluded, on this evidence, that the sale had been sufficiently personally conducted to comply with the Section. Costs were not awarded against the Society." The law adviser also wrote forwarding the opinion of Mr. John A. Costello, S.C., on the question of accepting the certificate of the Department of Education that a candidate had passed the Leaving Certificate examination in the prescribed subjects for Preliminary registration; pending the issue of the formal certificate, Mr. Costello had stated that this certificate could be accepted.

The British Pharmacopœia Commission wrote forwarding a copy of the Seventh Addendum.

Registration

The following who submitted certificates were granted Preliminary registration: Mrs. M. M. Horgan, Misses K. Murphy, M. P. Campion, A. T. Daly, M. G. Gilvarry, J. M. Hassett, T. J. McLaughlin, and M. T. Shaffrey; Messrs. P. Callan, A. N. K. Cole, T. Fahey, J. V. Power, and J. Underwood. The following changes of address were notified: P. Fanning, M.P.S.I., to 2 Tower Buildings, Lower Glanmire Road, Cork; E. P. Kenny, M.P.S.I., to 3 South Mall, Cork City; T. A. Matthews, M.P.S.I., to Market Street, Ardee, co. Louth; G. W. Sleator, M.P.S.I., to Fermanagh Street, Clones, co. Monaghan; Mrs. M. E. Somers, M.P.S.I., to 36 Whitebeam Road, Clonskeagh, Dublin; J. Connolly, R.D., to Cloonlee, Ballinlough, co. Roscommon; G. Walshe, Assistant, to 45 Lower Dorset Street, Dublin.

Applications by Michael J. Doyle, L.A.H., and Gerard Ciaran Hickey, L.A.H., to be added to the register of pharmaceutical chemists, were granted.

The reports of the House, Schools, Law, and Certificates Committees were submitted and approved. Consideration of the report of the Council Committee on Public Health was adjourned to the next meeting.

The examiners to the Licence examination reported that thirty candidates had presented themselves at the most recent examination, of which number one withdrew, one passed with honours, and twelve passed. In the Assistant examination thirteen passed.

THE REGISTRAR reported on the deaths of D. Warwick, M.P.S.I., R. H. Peake, L.P.S.I., F. S. Jameson, L.P.S.I., W. Corrigan, L.P.S.I., H. R. Scott, L.P.S.I., J. C. Heffernan, R.D., and J. Macauley, R.D., and on the removal from the registers, under Section 25, of: *Pharmaceutical Chemists:* F. W. Brittain, Mrs. M. Collins, M. H. Cosbie, D. McCarthy, W. J. McKinney, J. A. Patton, D. J. Pemberton, J. C. Scott, J. M. Torrens, James Wellwood, and W. H. Keogh. *Assistants:* F. N. L. Bell, E. M. Taylor, and J. R. Wallace. *Registered Druggists:* S. Bell, I. Charles, E. J. Clancy, R. Davison, J. Fields, D. Foley, T. J. Jackson, P. M. Joyce, E. Judge, E. M. Lawson, P. Leo, E. McNaughton, M. McDade, H. McRoberts, J. Millar, S. P. Mills, T. Moore, M. M. O'Flanagan, P. J. O'Meara, C. O'Neill, T. W. Wright, and P. V. Coyle. Mr. J. K. Carvill was re-elected as Assistants' examiner for the year ending March 1, 1946, on the motion of THE PRESIDENT, seconded by MR. WHELEHAN. The following were elected members of the Society: Mr. J. A. Campbell, Dr. J. A. Eustace, Miss C. W. Fullam, Messrs. T. C. Kelliher, D. B. M. O'Connell, and P. F. O'Gorman, Mrs. M. E. Somers, and Mr. B. O'Connor. The following were nominated for membership: Messrs. W. J. Butler, Main Street, Birr, Offaly; P. Fanning, 2 Tower Buildings, Lower Glanmire Road, Cork; S. Leavy, Castleblaney, co. Monaghan; T. A. Matthews, Market Street, Ardee, co. Louth; P. O'Connor, Pound Street, Ballaghaderreen, co. Roscommon; Miss N. O'Shea, 14 Lower Rathmines Road, Dublin; and A. C. Rush, Medical Hall, Templemore, co. Tipperary. The Licence certificates of the following were signed and sealed: Messrs. Vincent Boyd, John Gerard Duffy and Thomas Marie Mulcahy, and Miss Nora Christina Roche.

Circulation of Syllabus

MR. POWER inquired if the current syllabus on theoretical and practical chemistry had been supplied to the committee of the Limerick Technical Schools and, if so, what steps had been taken to see that it was carried out. He asked this question, said Mr. Power, because pharmaceutical apprentices in Limerick had a grievance. They maintained that quite a lot of what they were taught in the chemistry classes at the technical schools was of no use to them. He understood it was left to the discretion of the teachers to put in, or take out, what they liked. The students attended three nights a week for 4½ hours, or 160 hours yearly, and they maintained that they wasted about 600 hours in four years. THE PRESIDENT said that the matter raised by Mr. Power would be inquired into.

Lapsed Licences

MR. POWER also raised the question of traders licensed under the 1908 Act. He asked whether, if a trader failed to renew his licence for four or five years, he was still entitled to retail poisons. In his area the secretary of the Limerick Chemists' Association had found that about seventeen traders' 1908 licences had not been renewed since 1939. The Society sl be in a position to see that a person whc not a licence was not in a position to sell pc It should not be difficult to get a list of pe with 1908 licences and have a visit paid to annually. MR. MEAGHER thought they sh be able to prosecute any trader who le licence lapse.

MR. J. GLEESON: Mr. Power's point, I th is that where we have a list of lapsed lice we should send round an inspector.— MCKANE: I don't believe any of these pe are keeping the law. It would be helpful i had a permanent inspector.—MR. CAHILL: only way is to have the Act abolished.

MR. MCKANE thought prosecutions w reduce the number of licences, but MR. CA did not think this would make members better off. MR. POWER: It would be a tection to our own people.

Replying to the president, MR. POWER they had got the information about unlice traders in Limerick within the past t months. THE PRESIDENT said he would to have the information checked up now case any traders had since obtained licer This was exactly the sort of information had been looking for from local Association

MR. MCKANE mentioned a grocer in the V of Ireland who was advertising a rat poi THE PRESIDENT said that, with the l Associations assisting, the Society could moving on many of these matters. It wc be a golden opportunity to take action. GLEESON said it was the Society's duty to t such action.

MR. MCKANE said he would have the lis licences in his area checked up also. He thou an inspector could also act as a publicity ag to see that doctors prescribed more, instea using proprietaries.

MR. CAHILL mentioned that a natic formulary had been suggested some time ag

It was finally agreed that Mr. Power sho have a check-up made to date on his informat regarding unlicensed traders, and that suita action should be taken upon his report.

At a meeting of the Benevolent Fund h later several grants were passed for payment

---

Irish Chemist Golfers.—What is probal the last of the pharmaceutical soc functions for the season was the ann dinner of the Irish Chemists' Golfi Society, on February 12. The captain (M Andrew Maher, Drogheda) presided, a the attendance included Messrs. C. Cremen (president, Pharmaceutical Socic of Ireland) and Lyall G. Smith (presider Irish Drug Association). Mr. P. C. Cah recalled that the occasion was the comi of age of the Golfing Society. Mr. Fra Meagher proposed the toast of the outgoi captain (Mr. Stanley Savage), treasur (Mr. J. J. Roche) and secretary (Mr. Pl Fahey). "This year's captain" (Mr. Mahe was proposed by Mr. Michael Costelloe.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

HE monthly meeting of the Council of the harmaceutical Society of Northern Ireland as held in Belfast on February 16, the esident (Mr. Charles Abernethy) in the air. Messrs. James McDowell (vice-esident), J. W. Gray, J.P. (treasurer), . H. Cowzer, James Donaghy, S. H. orrest, J. Glendinning, James Irwin, . F. Moore, J. McGregor, H. T. Nicholl, nd W. C. Tate, Dr. S. E. A. Acheson and rofessor E. B. C. Mayrs, M.D., were also esent, and Mr. D. L. Kirkpatrick (secre-ry) was in attendance.

THE PRESIDENT said that since the evious meeting they had lost by death e of the foundation members of the uncil, who represented the wholesalers. e referred to Sir Thomas McMullan, ho for many years had given unsparingly his knowledge and wide experience in e deliberations of that Chamber. The mpany of which he had been the head re the stamp of his characteristics, mely straightforwardness, great business ility, and generosity. He was ever ready render all the assistance in his power for e well-being of pharmacy. They regretted s passing extremely, and would ask the cretary to forward an expression of their mpathy to the bereaved relatives. The uncil stood as a mark of respect.

vening Meetings Approved

MR. W. C. TATE suggested that the uncil should hold evening meetings once onthly, beginning next session and hav-g an educational character. DR. ACHESON oke in favour, and the Council nanimously agreed that such meetings ould take place.

It was proposed by MR. FORREST, conded by MR. MCDOWELL, and agreed, at certificates of Apprentice to a Pharma-utical Chemist should be granted to the llowing students, who submitted certi-ates from the bodies mentioned:—

Senior Certificate, Ministry of Education. Patrick Aiden Falls, Coalisland; Evelyn argaret Keating, Belfast; Luke Gabriel urphy, Crossmaglen; Bernard John cCloskey, Londonderry; Dermot McCon-lle, Crossmaglen; Patricia McDonald, allygawley; Ethna Patricia Yvonne cErlean, Castledawson; Kevin Joseph mith, Moneymore.

Matriculation Examination, Queen's Uni-rsity, Belfast.—John Black Moffett, urgan; Elizabeth June Smith, Belfast.

It was agreed to hold the summer examinations in the College of Technology, Belfast, during the week commencing June 25, and to accept entries up to May 25. The following examiners were appointed for the year 1945 (subject to the approval of the Ministry of Home Affairs): Dr. C. J. Still (chemistry, part I); Professor K. G. Emeleus (physics, part I); Dr. M. J. Lynn (botany, part I); Mr. W. E. Armour (business methods, part I); Mr. Gordon Perrins (pharmacy and pharmacognosy, part II); Dr. C. J. Still (chemistry, part II).

Membership

It was proposed by MR. MCGREGOR, seconded by MR. GRAY, and passed, that the following should be elected members of the Society: Edith Perfect Plenderleith, Clonduff, Balmoral, Belfast; Sarah Dorothy Johnston, 37 Main Street, Bangor, co. Down; Alfred Noel Morrison, Doey, Portstewart, co. Derry; Norman James Harper, 3 Fountainville Avenue, Belfast; Sydney Isaacson, 29 Salisbury Gardens, Belfast; Hugh Bernard McCafferty, 17 St. James's Road, Belfast; Gerard Currie, 34 Woodvale Avenue, Belfast.

Irish Drug Association.—At a committee meeting of the Irish Drug Association held following the annual meeting (see *C. & D.*, February 17, p. 168), Messrs. Lyall G. Smith and G. C. O'Neill were unanimously re-elected *President* and *Vice-president*. Mr. G. A. McLean Lee was re-elected *Treasurer* for the 25th year in succession. The president occupied the chair at the February meetings of the committee. Members were requested to note that the retail prices of liquid paraffin were as set out in the current price list, and to adhere strictly to them. An application from Wallace Tiernan for the inclusion of Azochloramid on the approved list was agreed. It was decided to advertise in the trade Press requesting manufacturers to allow rebates on items reduced in retail price. An agreement entered into with the manufacturers of a proprietary to maintain, until April 1, the retail price of the preparation in order to enable chemists to dispose of stocks purchased at the previous wholesale price, was withdrawn at the instance of a Government department. The effect is that the price reduction takes effect forthwith, and claims for rebates should be made by members to wholesalers for any stocks purchased at the old price. Manufacturers will be urged to issue credits.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represen the prices for wholesale quantities of standard quality. C.i.f. quotations do not includ marine war risk insurance and other abnormal charges payable in the present emergenc

28 Essex Street, W.C.2, February 28

THE general tone in most of the markets continues steady. Price changes, either in or against buyers' favour, have been extremely few, and business as a whole shows little or no improvement on the dull tone reported last week. Makers of PHARMACEUTICAL CHEMICALS report "nothing of general interest," and business in this section is of a steady, consuming character, with no important changes in values.

Business in CRUDE DRUGS has mainly been confined to the filling of small routine orders from the consuming trades. Prices are generally maintained, and few fluctuations have occurred. Some interest is apparently now being taken by buyers in certain European countries in the prospect of business in the London markets, but little can be done in this connexion under present conditions. A few cases of Curaçao ALOES are stated to be available. BALSAM PERU continues firm on spot. BENZOIN is wanted, but there are no stocks available to meet the demand. BISMUTH METAL is in fair demand, with the price steady. JABORANDI remains scarce. Spot supplies of RHUBARB are exceedingly difficult to find. SEEDS are dull and unchanged. A few price alterations are noted in WAXES.

An announcement by the Ministry of Food (*C. & D.*, February 24, p. 206) that it would cease to be sole importer of HONEY is now stated to involve only the arrangements for importation. The control of distribution, which is at present exercised through the Honey Importers' and Packers' Association, is unchanged, and no supplies are yet available for trades and purposes other than those which were previously authorised.

ESSENTIAL and FIXED OILS have again been quiet, with prices at about the levels recorded last week.

Pharmaceutical Chemicals

ASPIRIN.—Demand continues fair. Prices, in quantities of 28 lb. to 1 cwt. (containers in brackets), are as follows: 4s. (1-lb.); 3s. 10½d. (4-lb.); 3s. 9½d. (7-lb.); 3s. 9d. (14-lb.); 3s. 8½d. (28-lb.).

ATROPINE.—Makers' quotations are steady at the following rates per oz.: ALKALOID, B.P. —1 oz., 35s.; 4 oz., 34s. 6d.; 25 oz., 34s. SULPHATE, B.P.—1 oz., 28s.; 4 oz., 27s. 6d.; 25 oz., 27s. METHYL BROMIDE and METHYL NITRATE. —1 oz., 65s.

BRUCINE.—Current rates per oz. are a follows: ALKALOID.—Under 25 oz., 1s. 4½d. 25 oz. and under 100 oz., 1s. 4d.; 100 oz. an under 500 oz., 1s. 3½d. NITRATE and SULPHATE —Under 25 oz., 1s. 3½d.; 25 oz. and under 10 oz., 1s. 3d.; 100 oz. and under 500 oz., 1s. 2½d

CAFFEINE.—Quantities of 7-lb.–28-lb. ar quoted per lb. as follows (supplies subject t D.M.S. approval): ALKALOID, B.P., 34s.; CITRATE, 23s.; SODIUM BENZOATE, 23s.; SODIU SALICYLATE, 23s. 9d. Tins extra when supplied

CODEINE.—Current prices per oz., for smal lots, are as follows: BASE.—½ oz., 55s. 3d.; 1 oz. 52s. 9d.; 2 oz., 51s. 3d.; 3 oz., 50s. 6d.; 4 oz. 50s. 3d. HYDROCHLORIDE.—½ oz., 50s.; 1 oz. 47s. 6d.; 2 oz., 46s.; 3 oz., 45s. 3d.; 4 oz. 45s. PHOSPHATE.—½ oz., 43s. 9d.; 1 oz. 41s. 3d.; 2 oz., 39s. 9d.; 3 oz., 39s.; 4 oz. 38s. 9d.

DEXTROSE.—Current prices per lb., in lot of 28-lb.–1 cwt., are as follows (containers i brackets): 1s. 2¼d. (1-lb.); 1s. 1¼d. (2-lb.) 1s. 0¾d. (4-lb.); 11¾d. (7-lb.); 11¼d. (14-lb.) 10¾d. (28-lb.).

HOMATROPINE.—Makers' prices per oz. ar as follows (prices per gram in brackets) ALKALOID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d. 16 oz., 87s. 6d. (6s.). HYDROCHLORIDE, HYDRO BROMIDE and SULPHATE.—1 oz., 75s.; 4 oz. 70s.; 16 oz., 65s. (3s. 2d.).

IODINE PREPARATIONS.—Prices per lb. fo the home market are as follows: POTASSIU IODIDE, B.P.—112 lb., 9s.; 28 lb., 9s. 6d. 14 lb., 10s.; 7 lb., 11s. 6d.; 4 lb., 12s.; smalle quantities, 12s. 6d. SODIUM IODIDE, B.P.— 28 lb., 9s. 11d.; 14 lb., 10s. 5d.; 7 lb., 12s. 2d. 4 lb., 12s. 10d.; smaller quantities, 13s. 8d IODOFORM, B.P.—28 lb., 12s. 10d.; 14 lb. 13s. 4d.; 7 lb., 15s. 6d.; 4 lb., 16s. 4d.; smalle quantities, 17s. 2d. IODOFORM CRYSTALS.— 2s. per lb. above powder prices. IODIN RESUBLIMED, B.P.—112 lb., 10s. 4d.; 28 lb. 10s. 10d.; 14 lb., 11s. 4d.; 7 lb., 13s. 1d. 4 lb., 13s. 9d.; smaller quantities, 14s. 6d.

MAGNESIUM CARBONATE, LIGHT.—Makers home market prices per lb., in quantities o 28 lb.–1 cwt., are as follows (containers i brackets): 1s. 3½d. (1-lb.); 1s. 2d. (4-lb.) 1s. 1d. (6-lb.); 1s. 0½d. (14-lb.); 1s. (28-lb.) Prices net one month.

MAGNESIUM TRISILICATE.—Home marke prices per lb., for quantities of 28 lb.–1 cwt. are as follows (containers in brackets): 3s. 9d (1-lb.); 3s. 7½d. (4-lb.); 3s. 6½d. (7-lb.); 3s. 6d (14-lb.); 3s. 5½d. (28-lb.). Prices net one month

THEOBROMINE.—The following prices ar ruling: ALKALOID.—Smalls, 44s. 6d. per lb. 7 lb.–28 lb., 43s. SODIUM SALICYLATE.—Smalls 26s. 3d.; 7 lb.–28 lb., 25s. 3d. Tins extra wher supplied.

Crude Drugs

ALOES.—A few cases of Curaçao are reported available at 32os. per cwt. Cape is in good demand but there are no spot supplies.

ANTIMONY.—English minimum 99·6 per cent. regulus is quoted at £112 10s. per ton delivered. Trade, 70 per cent., for home trade, is at £90.

ARECA NUTS.—Quotations for wormy Ceylon are steady at 90s. per cwt.

BALSAMS.—Firm conditions obtain for *Peru*, spot price of which is at 7s. 9d. to 8s. per lb., duty paid; *Canada* is steady at 9s. 9d.; *Copaiba* and *Tolu* are unobtainable.

BELLADONNA.—Indian leaf continues firm on spot at 6s. 1d. to 6s. 3d. per lb., according to quality. Only low-testing root is available.

BENZOIN.—In good demand but supplies are not available.

BISMUTH.—Metal continues steady at 6s. 3d. per lb. for 5-cwt. lots. Demand is good.

CHAULMOOGRA.—*Hydnocarpus*, spot, in tins and cases, 1s. 9d. per lb.

CHILLIES.—Spot price of Mombasa is steady at 110s. per cwt.; no other varieties are available.

CLOVES.—Sellers of Zanzibar on spot at 5½d. per lb.

COCHINEAL.—Silvers for shipment, 5s. 3d. per lb., c.i.f.

COLOCYNTH.—Fair white pulp is priced at 10½d. per lb., spot.

DIGITALIS LEAVES.—Portuguese, 140s. per cwt.; English, 2s. 6d. per lb.

ERGOT.—Any available spot supplies of good-quality material would be worth 6s. 6d. per lb.

GUM ACACIA.—Kordofan cleaned sorts, spot, 80s. per cwt.; bleached, spot, 175s.; Talha, landed, 50s. per cwt., landed.

JABORANDI.—Spot supplies are in small compass; price steady at 65s. per cwt.

JALAP.—Small quantities of material testing 7·7 per cent. are available at 5s. per lb.

KAMALA.—Material testing 6 per cent. ash would be worth 2s. 6d. per lb.

MENTHOL.—Brazilian, afloat, 82s. 6d. per lb., duty paid, landed.

MYRRH.—Good-quality Aden sorts, spot, 90s. per cwt.

NUTMEGS.—West Indian, wormy and broken, spot, 1s. 9d. per lb.; sound unassorted, 2s. 2d.

NUX VOMICA.—Cochin, spot, steady at 37s. 6d. per cwt.; shipment, 31s. 6d., c.i.f.

PAPAIN.—Good-testing but dark Ceylon may be obtained on spot at 7s. 6d. per lb.

PIMENTO.—Spot sellers at 1s. 3½d. per lb.

QUASSIA.—Spot, 37s. 6d. to 40s. per cwt., according to quantity.

QUILLAIA BARK.—Crushed or cut, spot, 60s. per cwt.; natural, 80s.; shipment, 65s., c.i.f.

RHUBARB.—Spot supplies are exceedingly difficult to find.

SQUILL.—Spot quotations for Indian, dried and sliced, are at 40s. to 45s. per cwt., according to quantity. Portuguese, 80s. to 87s. 6d.

STRAMONIUM LEAVES.—Indian leaves, spot, 80s. per cwt.

STROPHANTHUS SEED.—Spot price of 100 per cent. Kombé seed is steady at 7s. to 7s. 6d. per lb., according to quantity.

WAXES.—BEES'.—Available in London at the following prices per cwt., delivered at store U.K., effective October 16, 1944, for ton lots: Madagascar crude, 205s. to 230s.; other sorts of crude, 238s. to 245s. (Calcutta sorts unavailable); British refined, 275s. to 305s.; British bleached slabs, 300s.; British bleached discs, 320s.; lots of under one ton, at premiums as follows: 10–20 cwt., 2s. 6d. per cwt.; 5–10 cwt., 5s. per cwt.; 1–5 cwt., 10s. per cwt.; under 1 cwt., at premiums as arranged by Association members at their discretion. CARNAUBA.—Fatty grey, 530s. per cwt., ex store, in minimum one-bag lots; shipment, 405s., c.i.f.; Primeira, 560s. per cwt., ex store; shipment, 450s., nominal, c.i.f.; medium yellow, 525s., nominal; shipment, 440s., nominal, c.i.f.; chalky grey, nominal; shipment, 390s., c.i.f. (c.i.f. prices include ½ per cent. W.R.I.). CANDELILLA.—To arrive. Under 1 ton, 220s. per cwt.; 1–5 tons, 218s. 6d.; 5 tons and over, 217s. 6d., ex store. OURICURI.—Spot, 325s. per cwt.; shipment, 282s. 6d., c.i.f.

Essential and Expressed Oils

CASTOR.—"Firsts" are officially quoted at £82 per ton, and "seconds" at £80, both naked ex works, in bulk lots.

CITRONELLA.—Ceylon, spot, about 21s. per lb.; Java, approximately 27s. 6d.

CLOVE.—English makers' prices are firm at from 12s. 6d. to 13s. per lb., according to quantity.

COTTONSEED.—Controlled prices for bulk supplies are as follows: Crude, £52 2s. 6d.; washed, £55 5s.; refined edible, £57; refined deodorised, £58 per ton; all varieties quoted naked ex works.

EUCALYPTUS.—Oil with 70 to 75 per cent. cineole would be worth approximately 8s. 6d. per lb.

GINGERGRASS.—Spot, from 22s. 6d. per lb., for small quantities.

NUTMEG.—English distillers continue to quote at 35s. per lb. for oil made from West Indian material.

OLIVE (EDIBLE).—The price charged to the wholesaler by the importer is 25s. 9d. per gallon, ex store. Prices charged by wholesalers to retailers are agreed by the Ministry of Food as follows: 33s. 6d. per gallon, in 1-gallon loan cans; 34s. 3d. per gallon, in ½-gallon loan cans; 35s. per gallon, in 1-quart loan cans; 36s. per gallon, in 1-pint loan cans.

RAPESEED.—Officially quoted at £88 per ton, naked ex works.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Abolish Purchase Tax?

SIR,—May I suggest that a determined attempt should be made to persuade the Chancellor of the Exchequer to abolish the purchase tax. As he will not require so much revenue in the next twelve months as in the past years, the tax should, in my opinion, be dropped. I am sure his financial experts in the Treasury do not know the worry, trouble, and extra work this tax entails. If they will not abolish it entirely, they could remove the tax on medicines—it is sheer lunacy to make people who are ill pay tax on medicines that will help to make them well.

Yours faithfully,
S. E. A.

N.H.I. Dispensing Fees

SIR,—In the National Pharmaceutical Union pink supplement for this month appears a paragraph which seems to suggest that the rates for National Health Insurance dispensing will not be altered. The reason given is that multiple firms are quite content with the present remuneration. If this is the attitude of our leaders, it is time that their opinions should be radically altered, and very quickly, or they should retire and make room for others. It is perfectly obvious to all practising pharmacists that N.H.I. dispensing is carried on at a loss, and is, in fact, heavily subsidised by the remainder of the pharmacist's business. All other workers for the Government and for local authorities have had continual increases during the war. The remuneration for our highly qualified dispensing services has remained stationary. I firmly believe that the period of sweated labour by chemists should be ended, and that we should get a proper reward for the highly skilled work we perform. Incidentally, I have calculated that a qualified pharmacist cannot earn much more than £5 per week out of N.H.I. dispensing, and out of this princely sum he is expected to keep adequate stocks, keep open his shop, and dispense prescriptions at all hours. When I have mentioned our rates of pay to local doctors they have been astounded that we consent to work for such meagre rates of remuneration.

Yours faithfully,
Sale, Cheshire. F. D. GEE.

TRADE MARKS

(From "The Trade Marks Journal," February 7)

"SUPRACTIN," "PURACTIN" and "ACTIN"; activated carbon (1). By Lancashire C mical Works, Ltd., High Street W Glossop, Derbyshire. B630,344–46 Associated).

"IVINISED"; for laundry preparations, so perfumery, essential oils, toilet and cosm preparations (3). By London Soap Chemical Co., Ltd., 30–31 Richard Street, London, S.E.1. 630,430 (Associat

"QUATRE SAISONS"; for brilliantine, de frices, bath salts, lipstick, talcum pow (all non-medicated), soaps, perfumes hair lotions (3). By Coty (England), L 3 Stratford Place, London, W.1. 630, (Associated).

Device of a woman upholding bouquet flowers; for perfumes, toilet preparati etc. (3). By Helmar, Ltd., Waxwell Fa House, Pinner, Middlesex. 630,953.

"PALETTE"; for perfumes, cosmetic prep tions, none being saponaceous; and de frices (3). By Myosotis, Ltd., 17–18 Bond Street, London, W.1. 631,353.

"TIKVAH"; for perfumery, essential oils, to and cosmetic preparations, hair loti dentifrices (3); edible oils and fats, etc. (By Hativah, Ltd., 97 Commercial Ro London, E.1. 631,423–24 (Both Associat

"MATTACAKE"; for toilet preparations in ta form (3). By F. W. Hampshire & Co., L Sunnydale Works, Sinfin Lane, Der 631,498.

"FROMENT"; for invalids' foods and diet foods (5). By J. H. Heron, Ltd., Hook R Mills, Goole, Yorks. 630,748 (Associated)

"DE-DE-TANE"; for preparations of dichl diphenyl-trichlorethane for use as inse cides, fungicides, and for killing weeds By The Murphy Chemical Co., Ltd., Ch ical Works, High Street, Wheathampste nr. St. Albans, Hertfordshire. B631,044

"YENESTA"; for pharmaceutical preparati (5). By T. Martin, 31 High Street, Kir muir, Angus. 631,516.

"SPLENDOR"; for medical and surgical plast bandage material, and preparations treatment of the feet and of callouses By Splendor, Ltd., 5 Beastmarket H Nottingham. 631,597 (Associated).

Device of crossed swords; for pharmaceut preparations (5). By A. Parkinson, Friargate, Preston. 631,613.

"BISHOP BENEDICT" (device of same); pharmaceutical preparations. By S. Tat & Co., Ltd., 20 Market Street, Eckingt nr. Sheffield. 631,237.

"REOVITE"; for pharmaceutical preparati for the treatment of the skin (5). By E M. Rees, Garth View, Bridgend Ro Maesteg, Glam. 631,675.

"HYPHOLIN"; for pharmaceutical preparati (5). By Watford Chemical Co., Ltd., Waterloo Place, London, S.W.1. 631,979

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JAMES LIND, born in Edinburgh on 4th October, 1716, died at Gosport, near Portsmouth, on 13th July, 1794. Apprenticed to a doctor in Edinburgh at the age of fifteen; entered the naval medical service in 1739; graduated M.D. at the University of Edinburgh in 1748. His first "Treatise of the Scurvy" was published in 1753, the more famous "Treatise on the Scurvy" appeared in 1757 and a further edition in 1772.

By courtesy: Royal Naval Hospital, Haslar, Han

The Vitamins in Search of Discovery

For centuries the learned and curious argued about the causes of scurvy and the best means of treating and preventing the disease, yet actual experience should have made it evident to all that it was due to a dietary deficiency. One of the earliest reports refers to a decoction made of the bark and leaves of a Canadian tree which saved many of J. Cartier's men suffering from acute scurvy in 1535. In the next 250 years progress was slow until Kramer and Backstrom on the Continent and James Lind in Great Britain brought light into the prevailing darkness. Although Lind's famous book, "Treatise on the Scurvy," was published in 1757, in the year 1779 no less than 2,400 cases of the disease were put on shore at the Royal Naval Hospital, Haslar, whilst Lind was Superintendent there, after a cruise of the Channel Fleet lasting only ten weeks.

Naturally the full significance of scurvy and the nature of the anti-scorbutic principle of foodstuffs could not be understood until quite recent times. The isolation of ascorbic acid was achieved towards the end of the second decade of this century; the constitution was unravelled in 1933; the synthesis was accomplished in 1933–4, and 'Redoxon' synthetic vitamin C was made available to the medical profession in the autumn of 1934. Now the preparation is universally known and given in large quantities both by the mouth and by injection.

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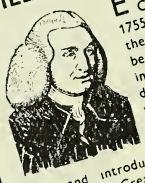
NAMES THAT HAVE MADE EDINBURGH FAMOUS IN THE REALMS of CHEMISTRY

2843

WILLIAM CULLEN (1710-1790)



ELECTED joint professor of Chemistry at Edinburgh in 1755. Became sole professor the following July. In 1757 he began to give chemical lectures in the Edinburgh Infirmary, dealing largely with diseases of the most common types. His prescriptions were markedly simple, and he experimentally used and introduced many new and valuable drugs, such as Cream of Tartar, Henbane, James's Powder and Tartar Emetic. He was the mainstay of the Edinburgh Medical School for many years, and took active part in preparing a new edition of 'Edinburgh Pharmacopœia'.

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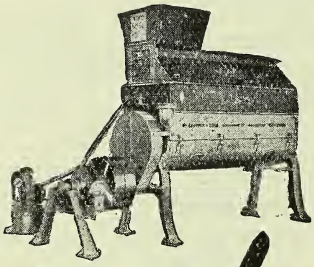

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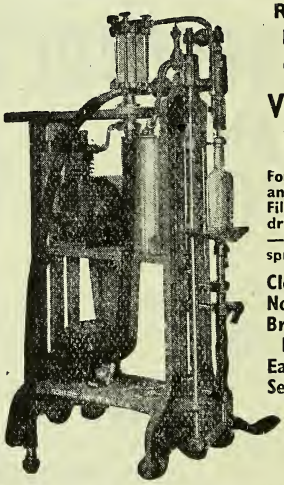

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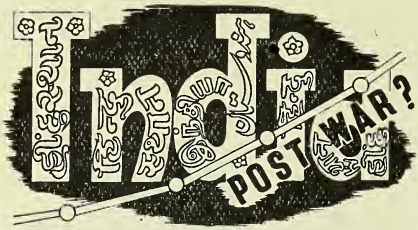

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When you are asked for a fortified Infant Cereal Food—you can supply this demand if you have M.O.F. on your shelves.

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Calcium	300 mg. per oz.
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Supplies for Infant Feeding can be maintained.
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28 ESSEX STREET, LONDON, W.C.2

MARCH 3 1945

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HARMACEUTICAL COUNCIL ELECTION 1945

n the coming months it is essential that attention should be directed to the following s—

ATIONAL HEALTH SERVICE. To obtain conditions which will fully recog-ise, utilise and reward the services of pharmacists.

OST-WAR POLICY. To develop a post-war policy for pharmacy which will dvance and protect the professional interests of pharmacists.

ROPRIETARY MEDICINES. To secure effective control over proprietary nedicines.

EMOBILISATION OF PHARMACISTS. To secure the earliest possible elease of pharmacists.

E-ESTABLISHMENT OF EX-SERVICE PHARMACISTS. To assist ex-ervice pharmacists to re-establish themselves in civil life.

he following members of Council retire this year and offer themselves re-election—

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ain exceptions, women over 18 and under 41 e seeking Employment and Employers seeking such women are now required to do so only he local office of the Ministry of Labour and ervice or an approved employment agency.

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MANAGER, qualified for Pharmacy. Thames-side area. Excellent prospects for advaneement. Living accommodation if required. Also Qualified Assistant, male or female, to take charge Dispensing. Apply, giving full particulars in first instance to Pharmacy Superintendent, Grays Co-operative Society, Ltd., 68 High Street, Grays, Essex.

NATIONAL CO-OPERATIVE CHEMISTS, LTD. Applications are invited from qualified Pharmacists with experience of the retail pharmaceutical trade, for appointments as Managers of Branch Pharmacies to be established in England and Wales by the above Society, in collaboration with Retail Co-operative Societies. A knowledge of the business methods of Retail Co-operative Societies is most desirable, but not essential. Applications stating age, education, experience and other qualifications, position in regard to National Service, salary required, and indicating when the candidate will be available, should be addressed to the Secretary and Executive Officer, C.W.S., Ltd., 1 Balloon Street, Manchester, 4, endorsed "Pharmacist," to arrive not later than March 7, 1945.

ORRIDGE & CO., Employment Agency, Columbia House, Aldwych, W.C.2, invite inquiries from Pharmacists and Unqualified Persons requiring Situations, except women between the ages of 18 and 41; Progressive vacancies available. Excellent opportunities exist for Unqualified Assistants.

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TRINITY LABORATORIES, LTD., require sistant to General Manager. Applicants mu possessed of Patience, Sympathy and Understan be readily adaptable to rapidly changing cond and have a sound Commercial Training. The E tive have a fine conception of duty to Custo (exclusively Retail Chemists) and this is essen a post for a young man having the initiative nece to ensure full collaboration in the maintenance exemplary Service. Write details, age, exper qualifications and military service liabilit General Manager, "Brook House," Blackburn

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APPLICATIONS are invited for the position of an Assistant Pharmacist at the above Hospital.

The commencing salary will be according to experience on a grade between £225 and £300 per annum, inclusive of war bonus.

The appointment, subject to satisfactory service, will be for the duration of the war at least.

Applications, together with full particulars, to be submitted to the Medical Superintendent, Wharncliffe Emergency Hospital, Sheffield, 6, forthwith.

G. L. BANNER,
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Board Offices, Wakefield.
February, 1945.

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PHARMACY. Morecambe or N.W. coast; with optics, or capable of being added, desired, but not essential; pre-war figures must be available; must have qualified cover for duration. Replies, treated with confidence, to 598/518, C. & D. London Office.

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EXPORT AND IMPORT. Inquiries invited by firm closely associated pre-war with France, Belgium, Holland, from those interested in post-war business with these countries. Write 597/462, C. & D. London Office.

CORRESPONDENCE invited from manufacturers of Fine Chemicals, Drugs, Patent Medicines, Rubber Goods, Dressings, Druggists Sundries, Cod Liver Oils, Empty Glass Bottles, Bottle Closures, etc., by L. Fereshaw & Co., Shireen Mansion, Sleater Road, Grant Road, Bombay, 7. Manufacturers representative. Established 1923.

PRESENT and post-war trade in Mauritius. L. Lising, United Distributing House, P.O. Box 25, Port Louis, Mauritius, is interested in general goods especially Pharmaceutical Products. Offers and agencies solicited. Can arrange to act as Stockist and Distributor, and is well acquainted with Drug Houses of the Colony.

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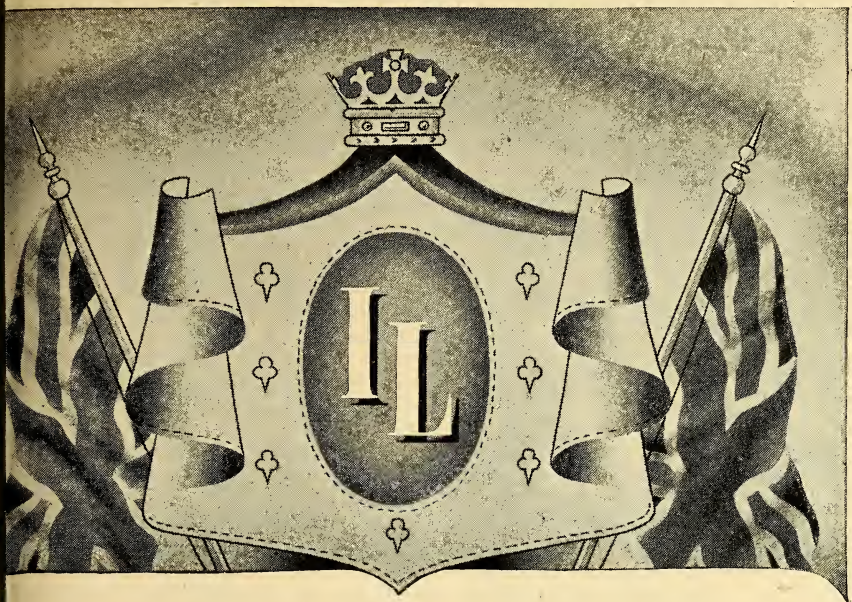

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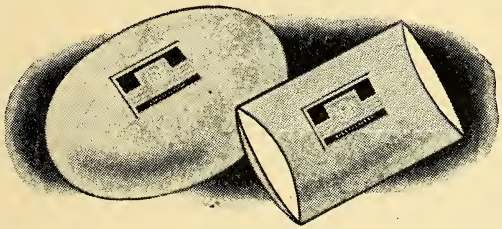

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